

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN103124\  
 Data File : VN084624.D  
 Acq On : 31 Oct 2024 17:25  
 Operator : JC\MD  
 Sample : P4646-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 241030069-01-VOA

Quant Time: Nov 01 02:49:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N103124W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 01 02:38:04 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 7.812  | 128   | 30788    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene       | 9.100  | 114   | 160595   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5          | 11.865 | 117   | 150355   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4     | 8.577  | 65    | 72579    | 29.323   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 110 | Recovery | =      | 97.733%  |
| 60) 4-Bromofluorobenzene      | 12.847 | 95    | 72009    | 27.815   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 63 - 112 | Recovery | =      | 92.700%  |
| 63) Toluene-d8                | 10.565 | 98    | 198530   | 27.892   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 112 | Recovery | =      | 92.967%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 4) Vinyl Chloride             | 2.518  | 62    | 604      | 0.302    | ug/l # | 46       |
| 8) Diethyl Ether              | 3.959  | 74    | 1196     | 1.031    | ug/l # | 1        |
| 12) Methyl Acetate            | 5.018  | 43    | 1020     | 0.365    | ug/l # | 52       |
| 14) Acrylonitrile             | 5.565  | 53    | 5293     | 5.785    | ug/l # | 33       |
| 15) Acetone                   | 4.430  | 58    | 67225    | 285.951  | ug/l   | 92       |
| 16) Carbon Disulfide          | 4.689  | 76    | 3437     | 0.651    | ug/l # | 78       |
| 23) tert-Butyl Alcohol        | 5.553  | 59    | 1301139  | 4073.413 | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether   | 5.795  | 73    | 10389    | 1.790    | ug/l   | 92       |
| 30) 2-Butanone                | 7.483  | 43    | 264366   | 236.931  | ug/l   | 94       |
| 31) 2,2-Dichloropropane       | 7.453  | 77    | 82041    | 27.785   | ug/l # | 54       |
| 34) Benzene                   | 8.600  | 78    | 33478    | 4.187    | ug/l # | 84       |
| 35) Methacrylonitrile         | 7.836  | 41    | 203340   | 153.761  | ug/l # | 44       |
| 44) Isopropyl Acetate         | 8.671  | 43    | 5735     | 1.208    | ug/l # | 67       |
| 45) 1,4-Dioxane               | 9.700  | 88    | 3026     | 95.472   | ug/l # | 84       |
| 47) n-amyl Acetate            | 12.835 | 43    | 1428     | 0.403    | ug/l   | 92       |
| 50) 1,1,2-Trichloroethane     | 10.929 | 97    | 596      | 0.330    | ug/l # | 51       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43    | 8956     | 3.776    | ug/l # | 77       |
| 59) 2-Hexanone                | 11.171 | 43    | 56386    | 32.463   | ug/l # | 33       |
| 62) Toluene                   | 10.624 | 91    | 19845    | 2.317    | ug/l   | 97       |
| 64) Chlorobenzene             | 11.888 | 112   | 7252     | 1.403    | ug/l   | 89       |
| 66) Ethyl Benzene             | 11.965 | 91    | 57034    | 6.337    | ug/l   | 94       |
| 67) m/p-Xylenes               | 12.071 | 106   | 28691    | 8.327    | ug/l   | 99       |
| 68) o-Xylene                  | 12.394 | 106   | 17412    | 5.239    | ug/l   | 98       |
| 69) Styrene                   | 12.406 | 104   | 3235     | 0.580    | ug/l # | 16       |
| 70) Isopropylbenzene          | 12.694 | 105   | 8063     | 0.977    | ug/l   | 97       |
| 74) n-propylbenzene           | 13.035 | 91    | 5033     | 0.521    | ug/l   | 98       |
| 75) 2-Chlorotoluene           | 13.123 | 91    | 1928     | 0.307    | ug/l   | 88       |
| 76) 1,3,5-Trimethylbenzene    | 13.171 | 105   | 5106     | 0.724    | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.406 | 75    | 403      | 0.430    | ug/l   | 59       |
| 78) 4-Chlorotoluene           | 13.223 | 91    | 1520     | 0.239    | ug/l   | 50       |
| 79) tert-butylbenzene         | 13.676 | 119   | 1582     | 0.271    | ug/l   | 49       |
| 80) 1,2,4-Trimethylbenzene    | 13.482 | 105   | 20270    | 2.848    | ug/l   | 97       |
| 82) p-Isopropyltoluene        | 13.723 | 119   | 6988     | 1.035    | ug/l   | 94       |
| 83) 1,3-Dichlorobenzene       | 13.735 | 146   | 933      | 0.237    | ug/l   | 94       |
| 84) 1,4-Dichlorobenzene       | 13.806 | 146   | 13402    | 3.444    | ug/l   | 95       |
| 85) n-Butylbenzene            | 14.053 | 91    | 1456     | 0.257    | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene       | 14.106 | 146   | 1621     | 0.418    | ug/l   | 92       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.706 | 75    | 462      | 0.895    | ug/l # | 6        |
| 89) 1,2,4-Trichlorobenzene    | 15.841 | 180   | 412      | 0.218    | ug/l # | 75       |

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Sample : P4646-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

Quant Time: Nov 01 02:49:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N103124W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Nov 01 02:38:04 2024  
Response via : Initial Calibration

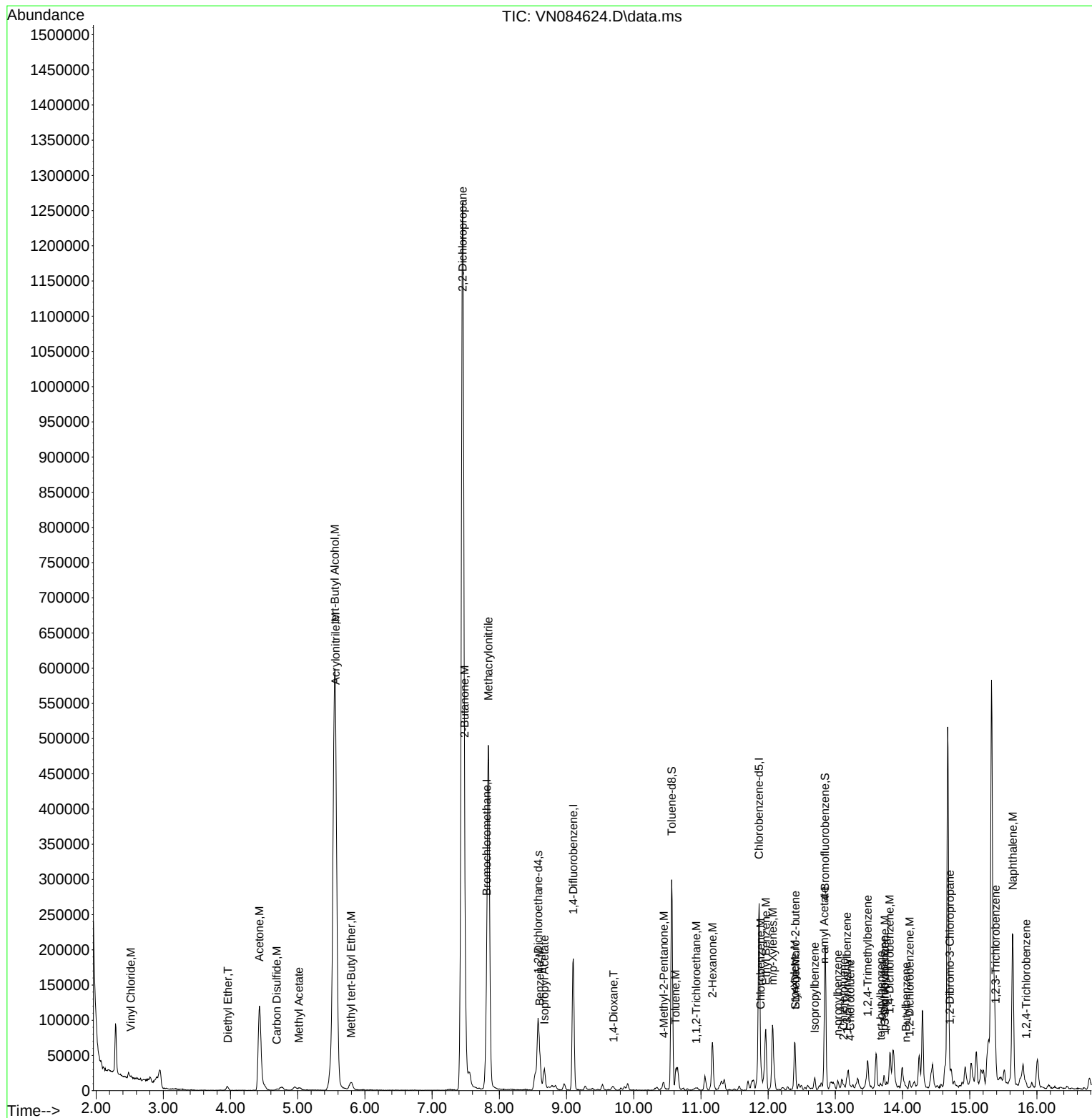
| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| 91) Naphthalene            | 15.641 | 128  | 205176   | 33.999 | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene | 15.388 | 180  | 544      | 0.288  | ug/l  | 53       |

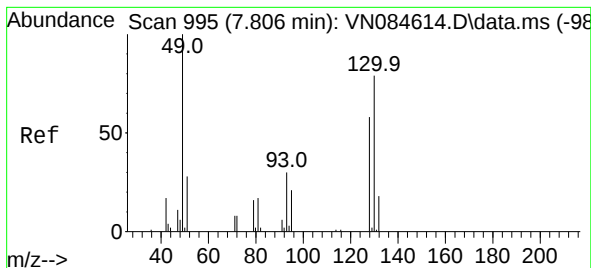
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.812 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN084624.D

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Instrument :

MSVOA\_N

ClientSampleId :

241030069-01-VOA

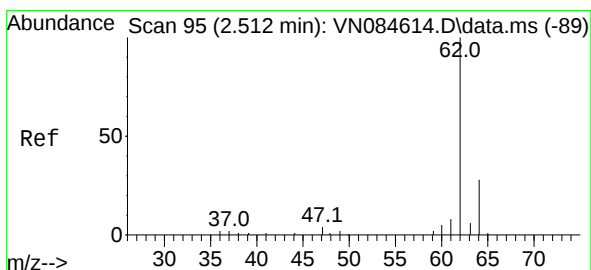
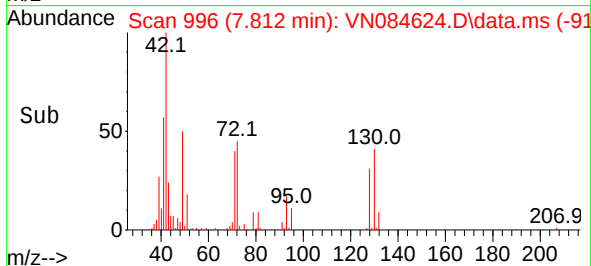
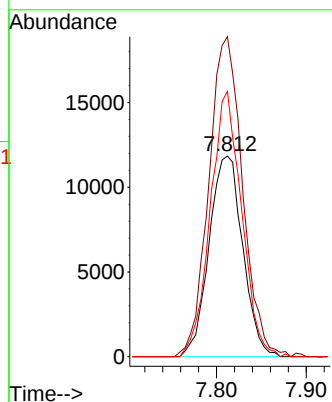
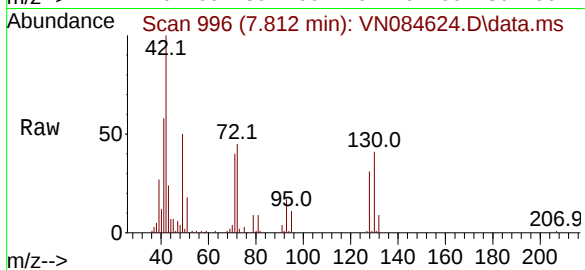
Tgt Ion:128 Resp: 30788

Ion Ratio Lower Upper

128 100

49 160.2 0.0 427.0

130 123.2 0.0 322.2



#4

Vinyl Chloride

Concen: 0.302 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.006 min

Lab File: VN084624.D

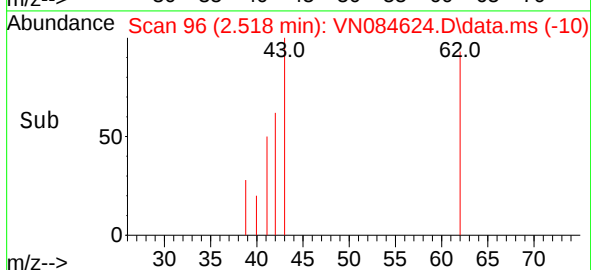
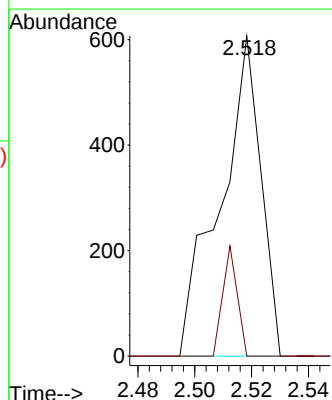
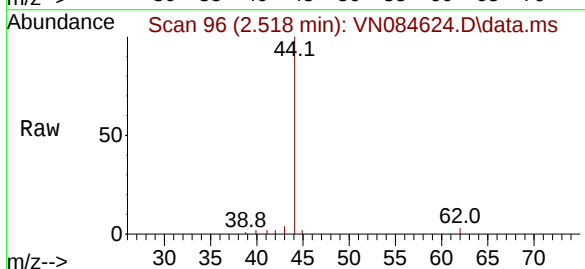
Acq: 31 Oct 2024 17:25

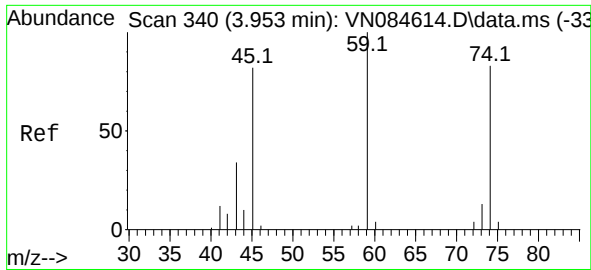
Tgt Ion: 62 Resp: 604

Ion Ratio Lower Upper

62 100

64 0.0 23.1 34.7#

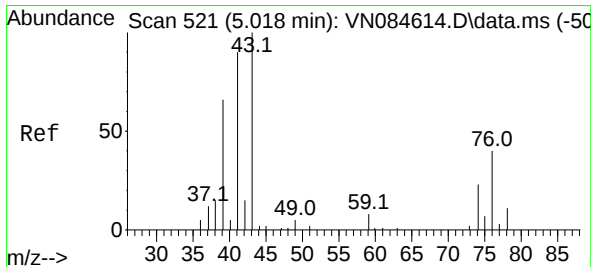
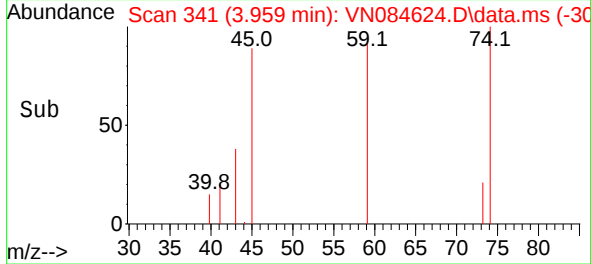
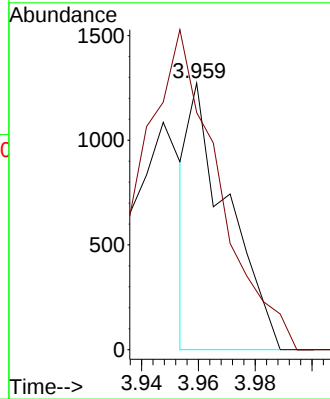
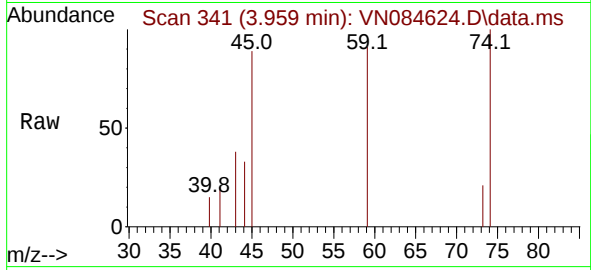




#8  
Diethyl Ether  
Concen: 1.031 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

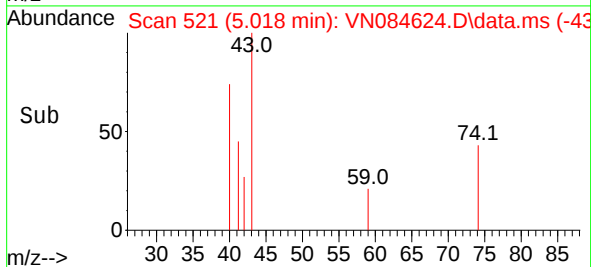
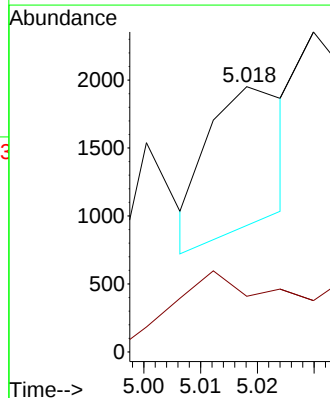
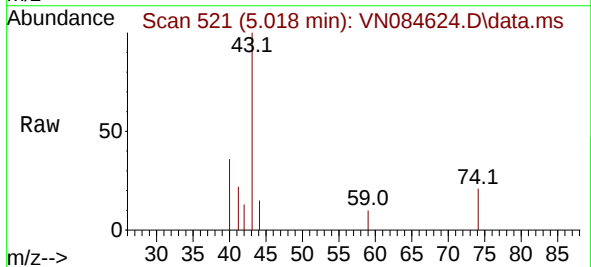
Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

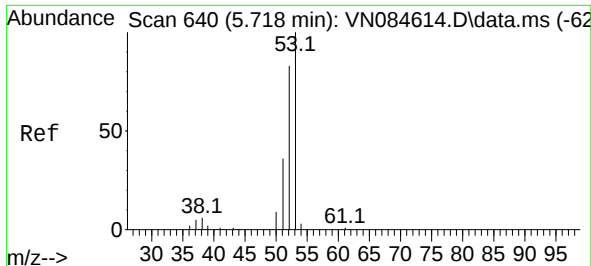
Tgt Ion: 74 Resp: 1196  
Ion Ratio Lower Upper  
74 100  
45 0.0 19.8 178.4#



#12  
Methyl Acetate  
Concen: 0.365 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion: 43 Resp: 1020  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.0 28.4#

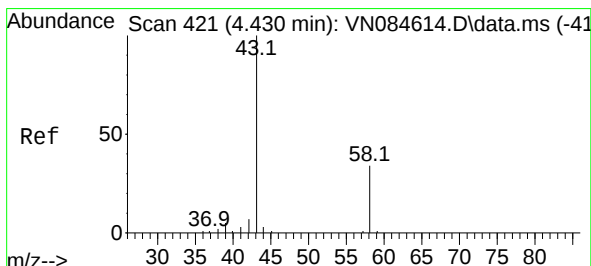
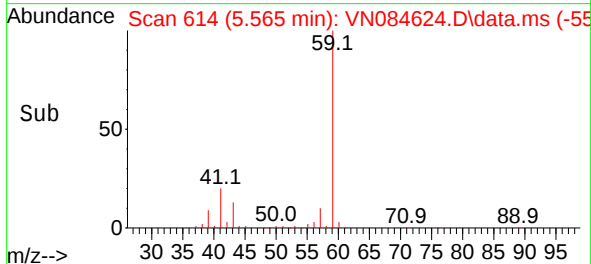
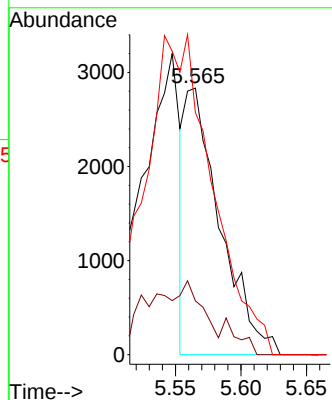
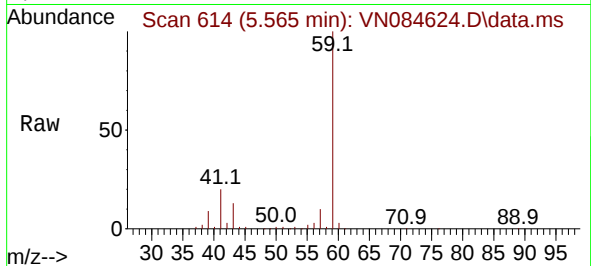




#14  
Acrylonitrile  
Concen: 5.785 ug/l  
RT: 5.565 min Scan# 614  
Delta R.T. -0.153 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

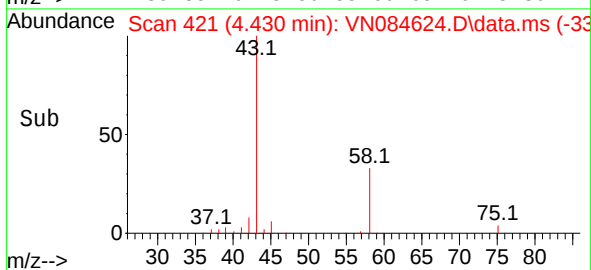
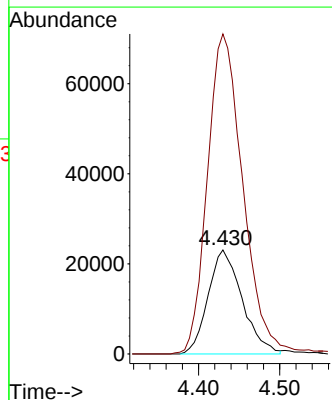
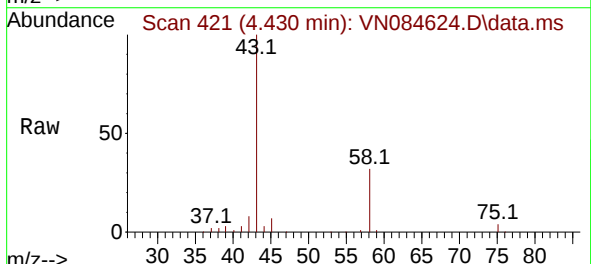
Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

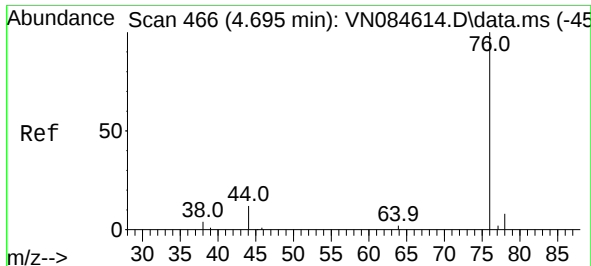
Tgt Ion: 53 Resp: 5293  
Ion Ratio Lower Upper  
53 100  
52 20.1 41.6 124.9#  
51 0.0 18.2 54.6#



#15  
Acetone  
Concen: 285.951 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion: 58 Resp: 67225  
Ion Ratio Lower Upper  
58 100  
43 306.1 233.0 349.6

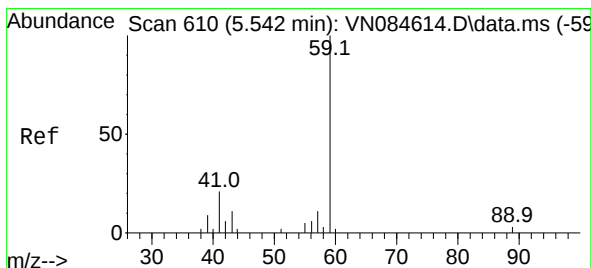
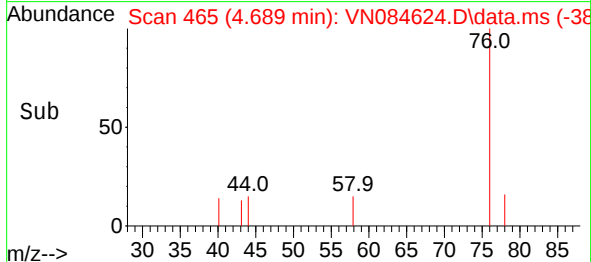
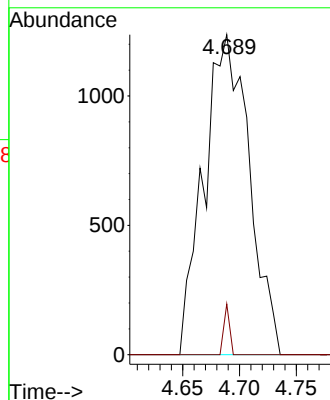
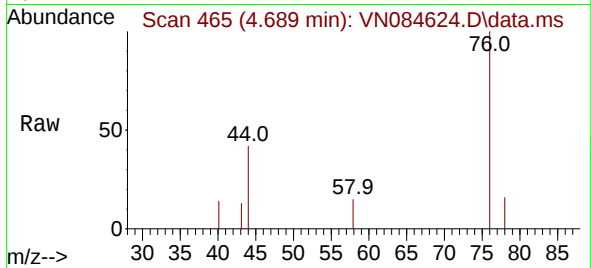




#16  
Carbon Disulfide  
Concen: 0.651 ug/l  
RT: 4.689 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

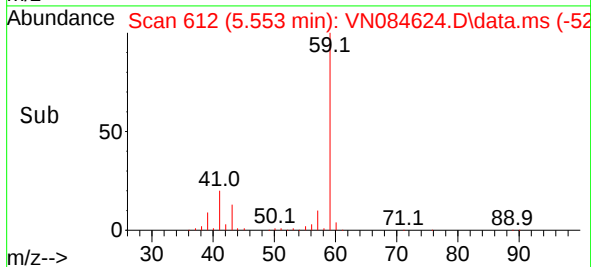
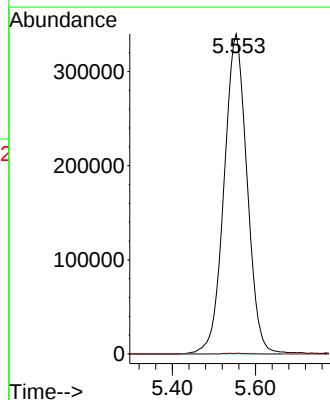
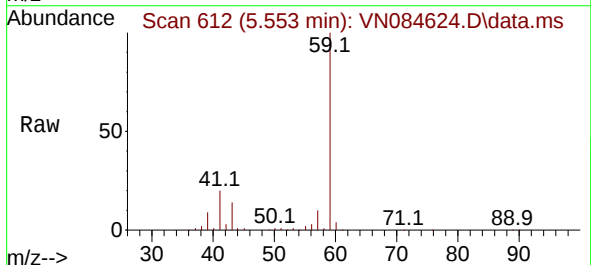
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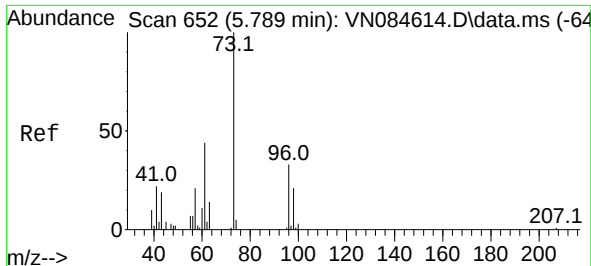
Tgt Ion: 76 Resp: 3437  
Ion Ratio Lower Upper  
76 100  
78 15.8 6.6 9.8#



#23  
tert-Butyl Alcohol  
Concen: 4073.413 ug/l  
RT: 5.553 min Scan# 612  
Delta R.T. 0.012 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion: 59 Resp: 1301139  
Ion Ratio Lower Upper  
59 100  
52 0.1 0.0 0.0#

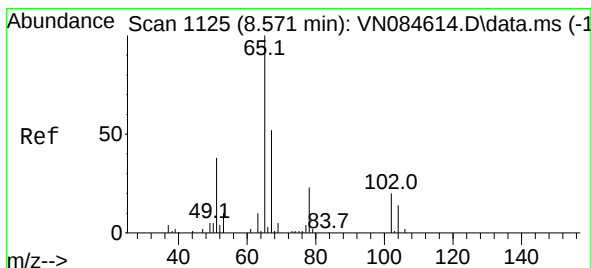
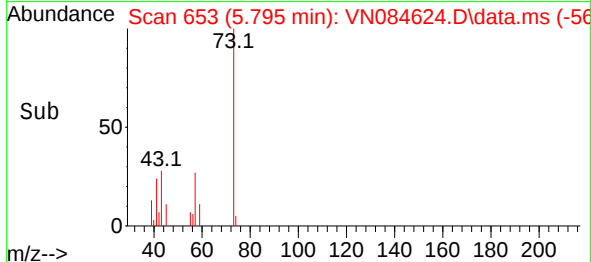
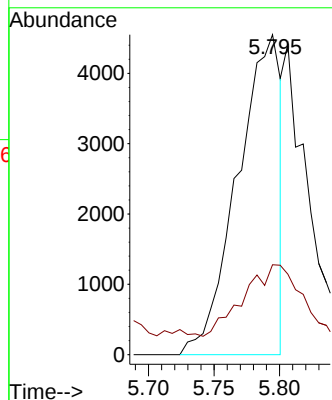
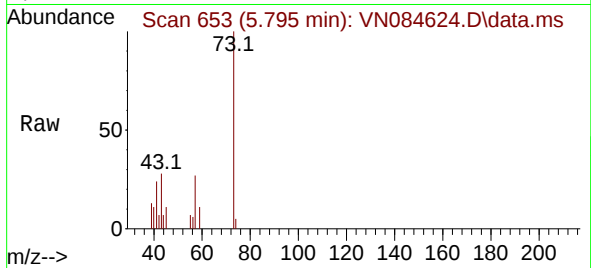




#24  
Methyl tert-Butyl Ether  
Concen: 1.790 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

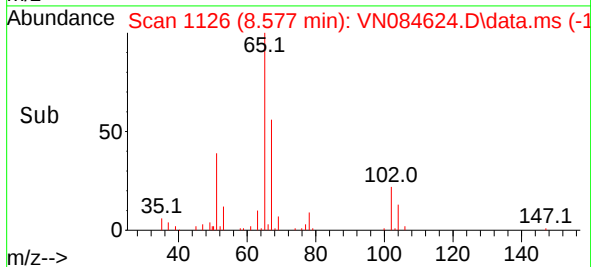
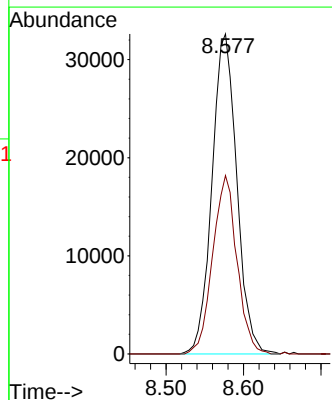
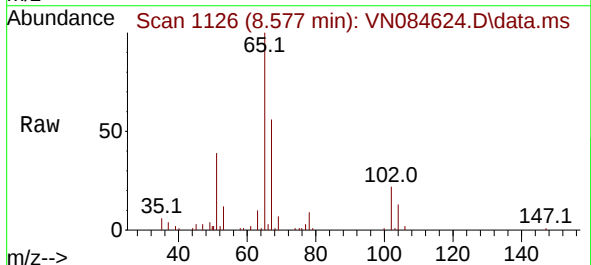
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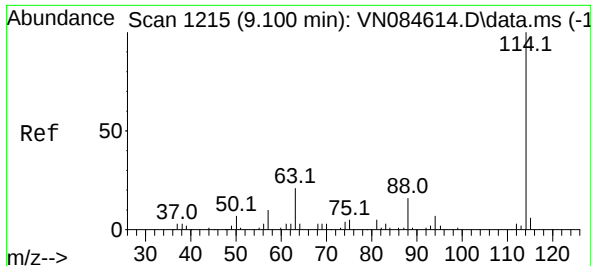
Tgt Ion: 73 Resp: 10389  
Ion Ratio Lower Upper  
73 100  
43 24.4 16.5 24.7



#27  
1,2-Dichloroethane-d4  
Concen: 29.323 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion: 65 Resp: 72579  
Ion Ratio Lower Upper  
65 100  
67 54.5 40.7 61.1

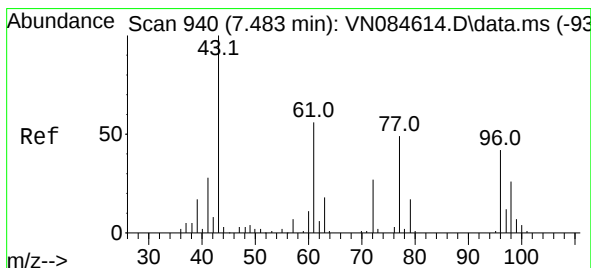
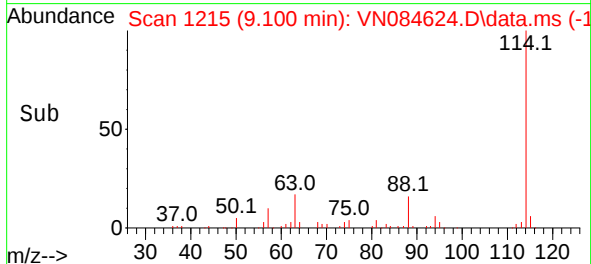
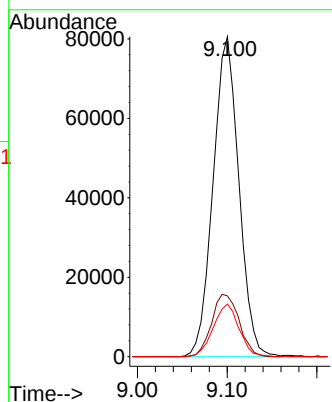
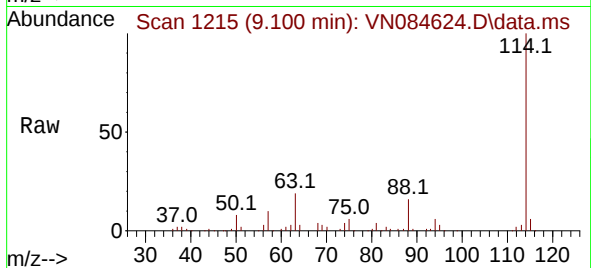




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 114  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

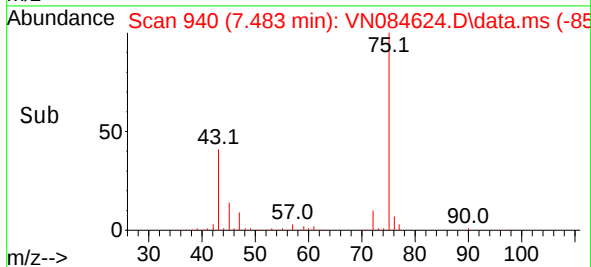
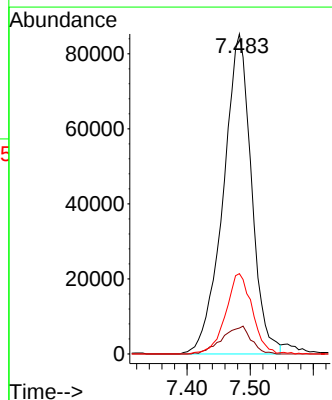
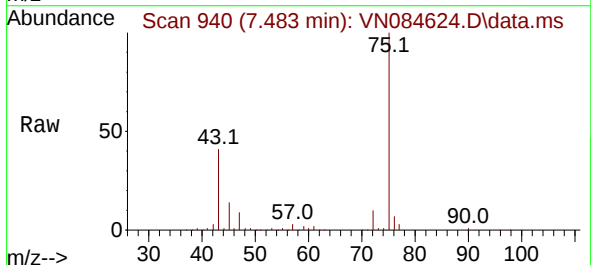
Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

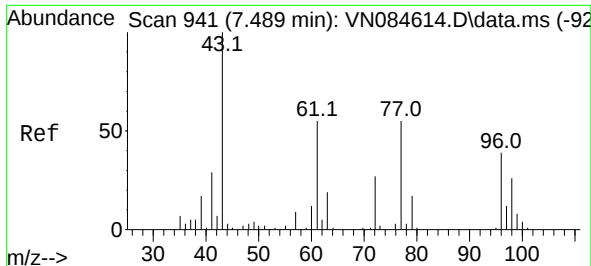
Tgt Ion:114 Resp: 160595  
Ion Ratio Lower Upper  
114 100  
63 20.7 16.8 25.2  
88 16.4 12.9 19.3



#30  
2-Butanone  
Concen: 236.931 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion: 43 Resp: 264366  
Ion Ratio Lower Upper  
43 100  
57 8.9 6.2 9.4  
72 23.5 21.5 32.3

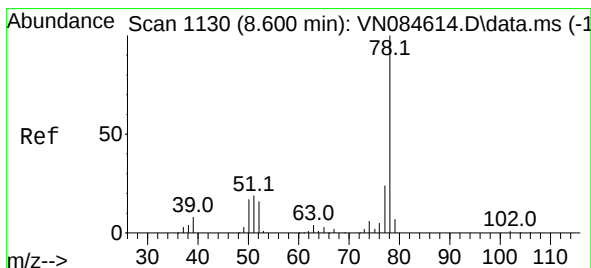
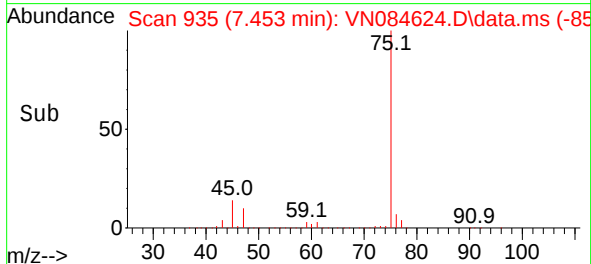
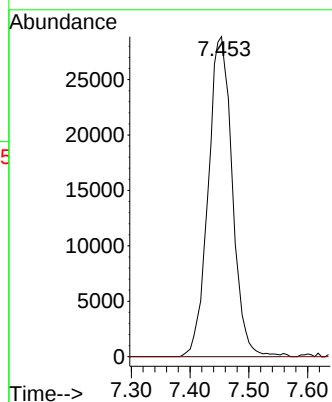
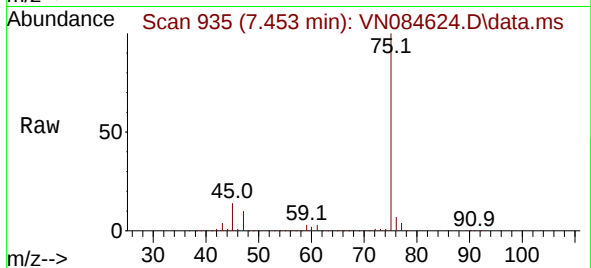




#31  
2,2-Dichloropropane  
Concen: 27.785 ug/l  
RT: 7.453 min Scan# 941  
Delta R.T. -0.035 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

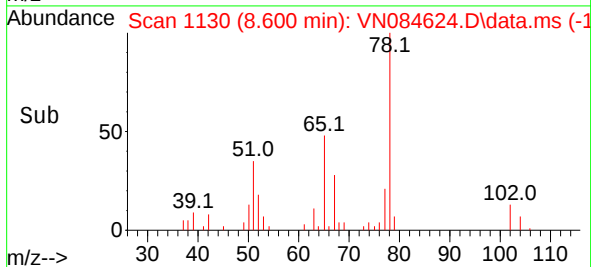
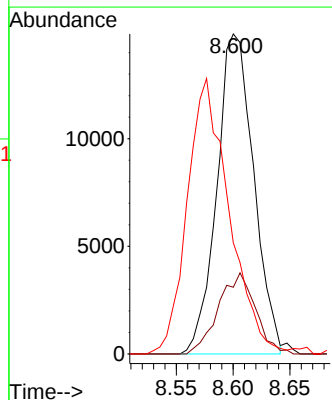
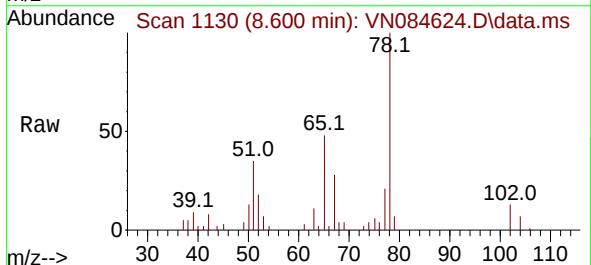
Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

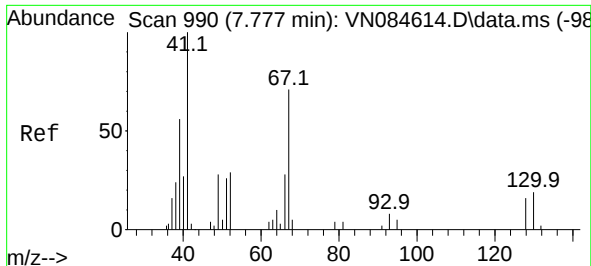
Tgt Ion: 77 Resp: 82041  
Ion Ratio Lower Upper  
77 100  
97 0.0 17.4 26.2#



#34  
Benzene  
Concen: 4.187 ug/l  
RT: 8.600 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion: 78 Resp: 33478  
Ion Ratio Lower Upper  
78 100  
77 20.9 19.3 28.9  
51 33.0 16.1 24.1#





#35

Methacrylonitrile

Concen: 153.761 ug/l

RT: 7.836 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN084624.D

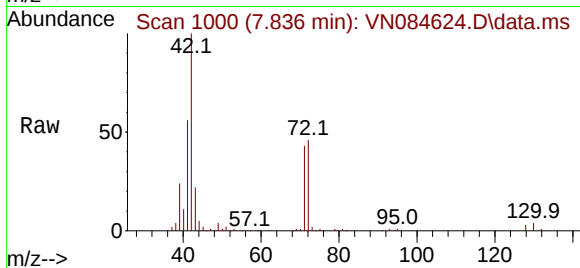
Acq: 31 Oct 2024 17:25

Instrument :

MSVOA\_N

ClientSampleId :

241030069-01-VOA



Tgt Ion: 41 Resp: 203340

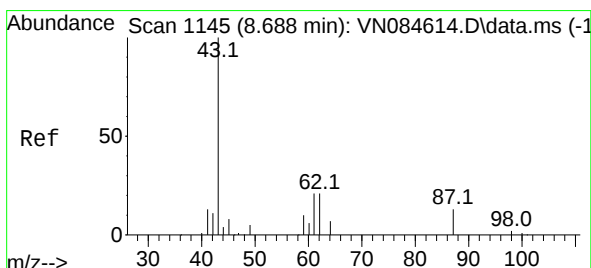
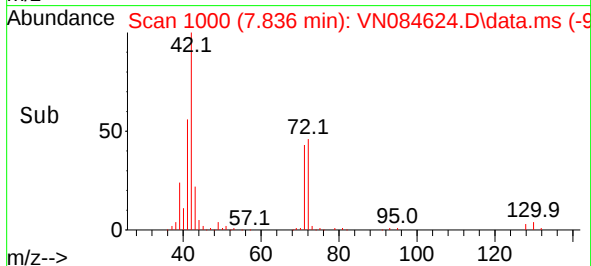
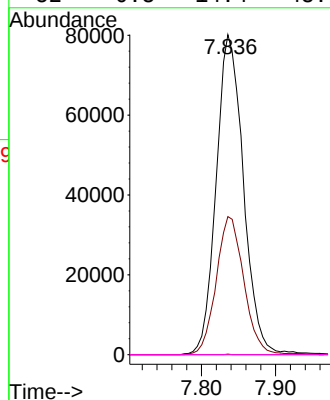
Ion Ratio Lower Upper

41 100

39 43.2 28.2 84.6

67 0.0 35.6 106.8#

52 0.3 14.4 43.4#



#44

Isopropyl Acetate

Concen: 1.208 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.018 min

Lab File: VN084624.D

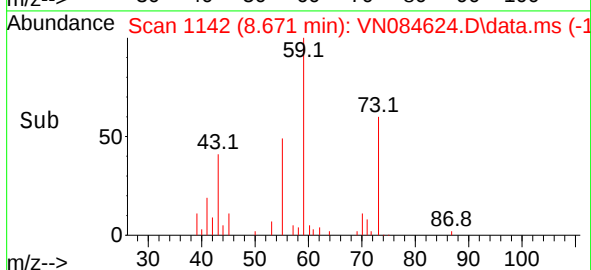
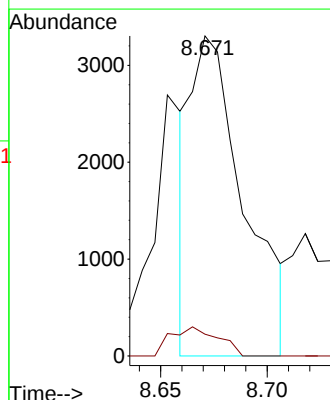
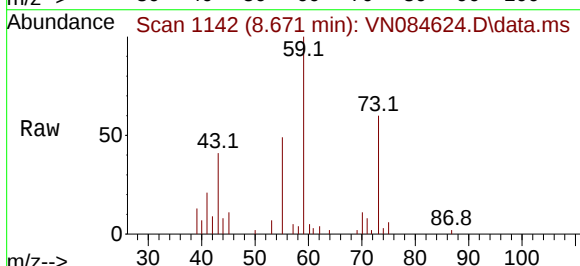
Acq: 31 Oct 2024 17:25

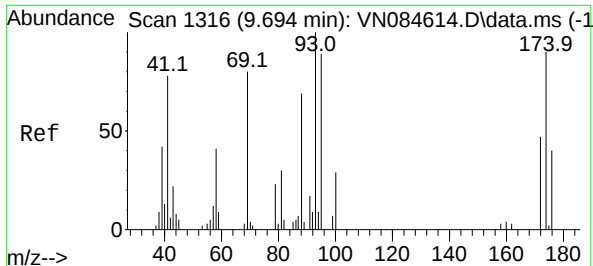
Tgt Ion: 43 Resp: 5735

Ion Ratio Lower Upper

43 100

61 8.1 19.8 29.8#





#45

1,4-Dioxane

Concen: 95.472 ug/l

RT: 9.700 min Scan# 14

Delta R.T. 0.006 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

Instrument :

MSVOA\_N

ClientSampleId :

241030069-01-VOA

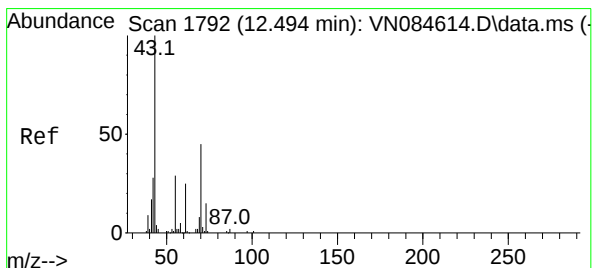
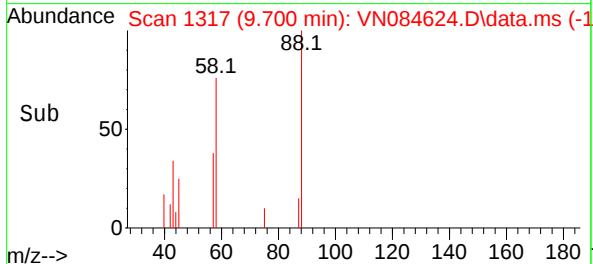
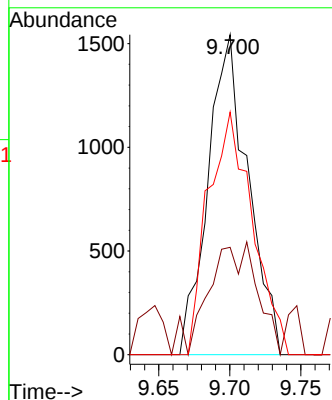
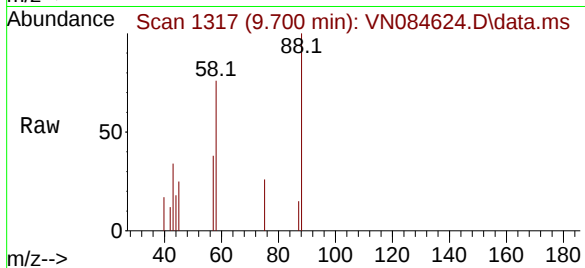
Tgt Ion: 88 Resp: 3026

Ion Ratio Lower Upper

88 100

43 25.9 20.8 31.2

58 84.0 53.4 80.2#



#47

n-amyI Acetate

Concen: 0.403 ug/l

RT: 12.835 min Scan# 1850

Delta R.T. 0.341 min

Lab File: VN084624.D

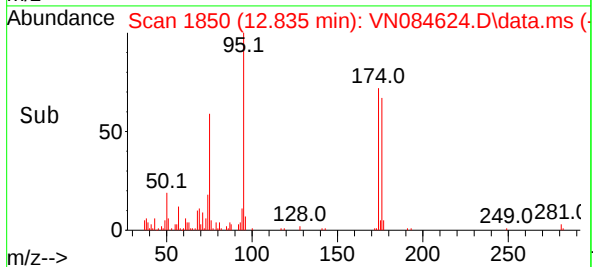
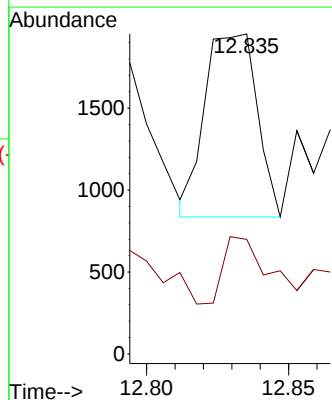
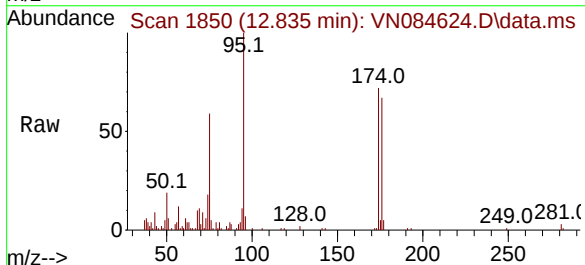
Acq: 31 Oct 2024 17:25

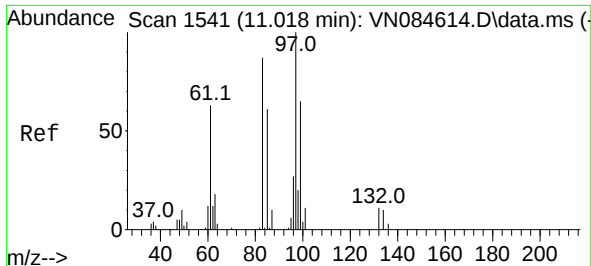
Tgt Ion: 43 Resp: 1428

Ion Ratio Lower Upper

43 100

55 31.6 22.0 33.0





#50

1,1,2-Trichloroethane

Concen: 0.330 ug/l

RT: 10.929 min Scan# 1541

Delta R.T. -0.088 min

Lab File: VN084624.D

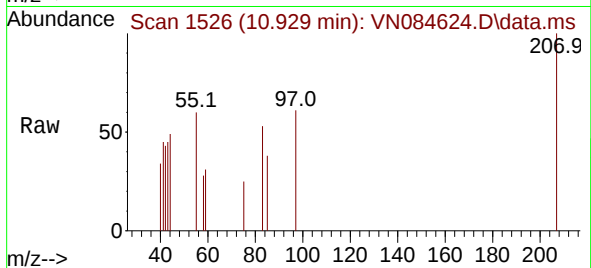
Acq: 31 Oct 2024 17:25

Instrument :

MSVOA\_N

ClientSampleId :

241030069-01-VOA



Tgt Ion: 97 Resp: 596

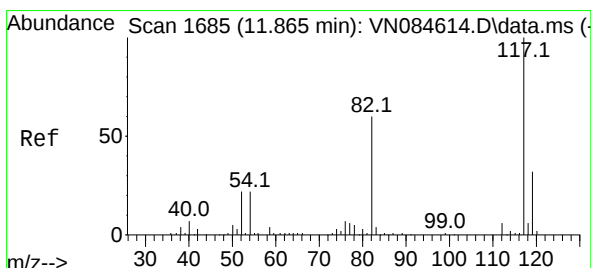
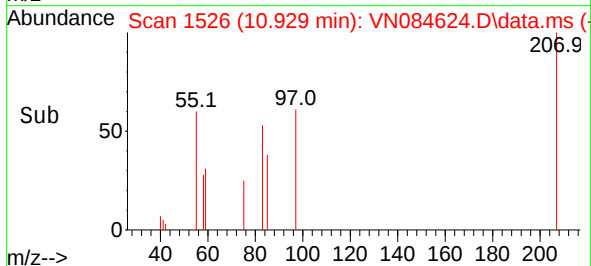
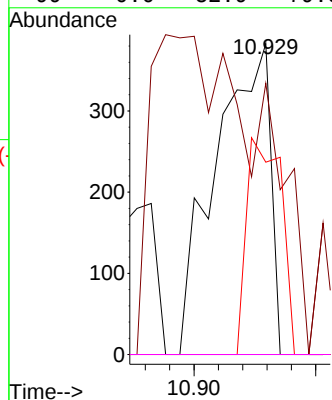
Ion Ratio Lower Upper

97 100

83 34.2 69.8 104.8#

85 61.9 48.6 73.0

99 0.0 52.9 79.3#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

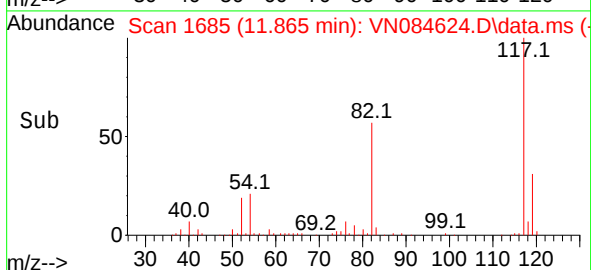
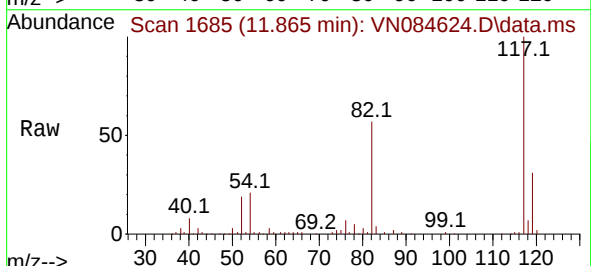
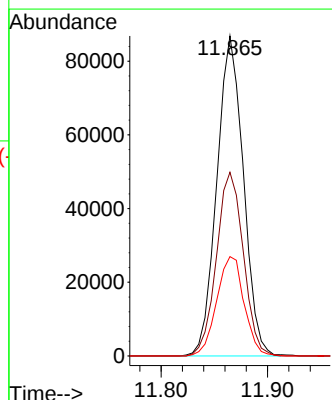
Tgt Ion:117 Resp: 150355

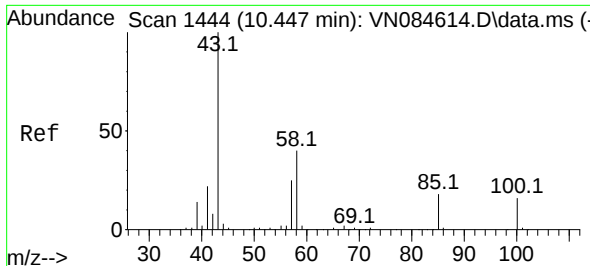
Ion Ratio Lower Upper

117 100

82 58.1 45.5 68.3

119 32.1 25.3 37.9





#58

4-Methyl-2-Pentanone

Concen: 3.776 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

Instrument :

MSVOA\_N

ClientSampleId :

241030069-01-VOA

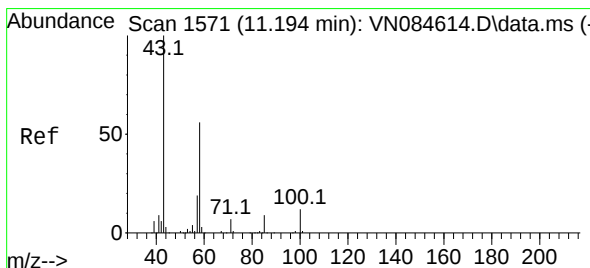
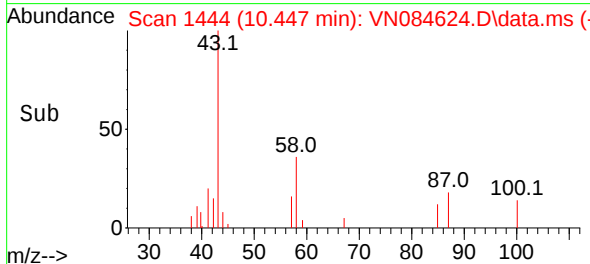
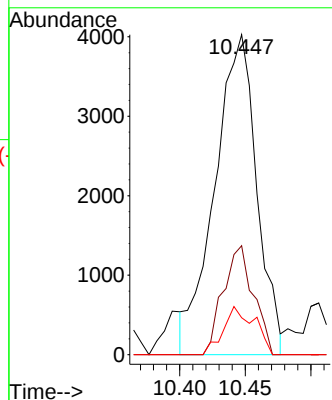
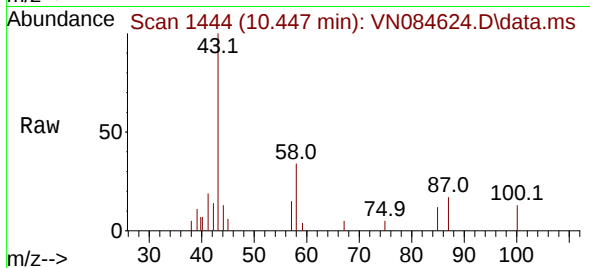
Tgt Ion: 43 Resp: 8956

Ion Ratio Lower Upper

43 100

58 24.6 31.2 46.8#

85 8.5 14.9 22.3#



#59

2-Hexanone

Concen: 32.463 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

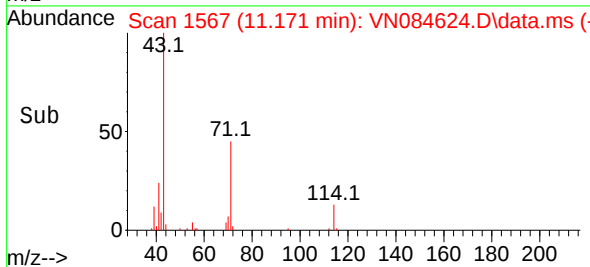
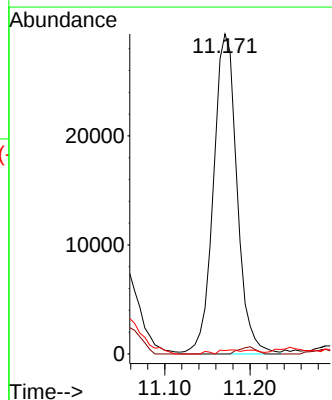
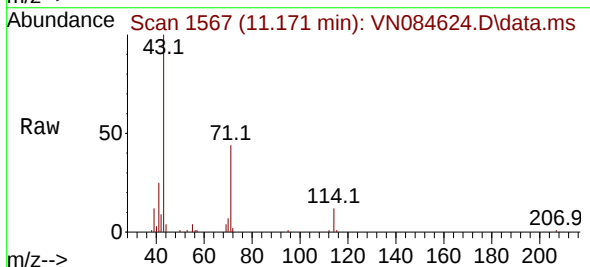
Tgt Ion: 43 Resp: 56386

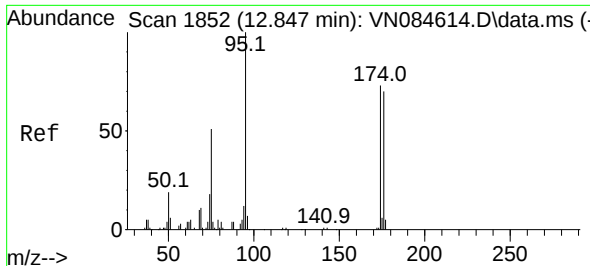
Ion Ratio Lower Upper

43 100

58 0.0 43.8 65.6#

57 0.4 15.0 22.6#





#60

4-Bromofluorobenzene

Concen: 27.815 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

Instrument :

MSVOA\_N

ClientSampleId :

241030069-01-VOA

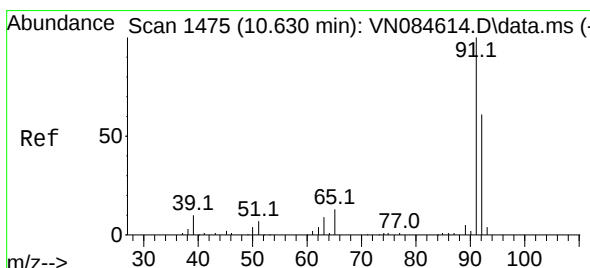
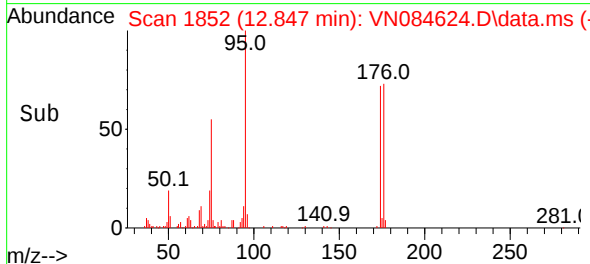
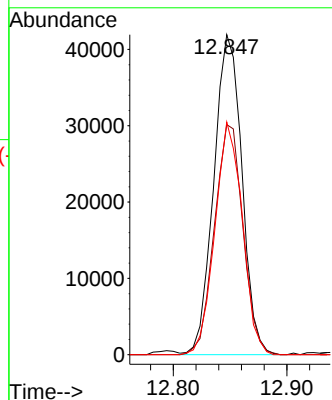
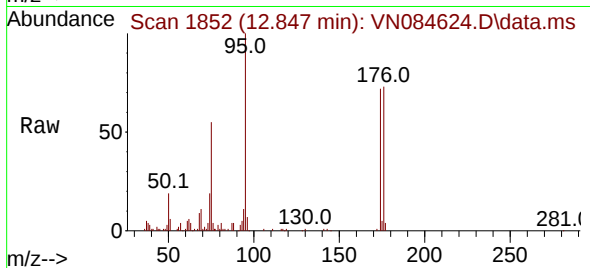
Tgt Ion: 95 Resp: 72009

Ion Ratio Lower Upper

95 100

174 73.1 59.6 89.4

176 71.0 58.6 88.0



#62

Toluene

Concen: 2.317 ug/l

RT: 10.624 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN084624.D

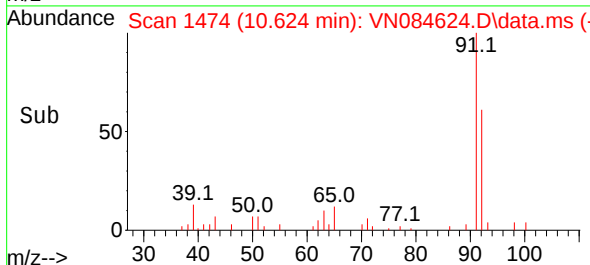
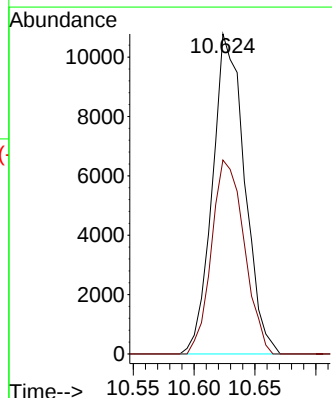
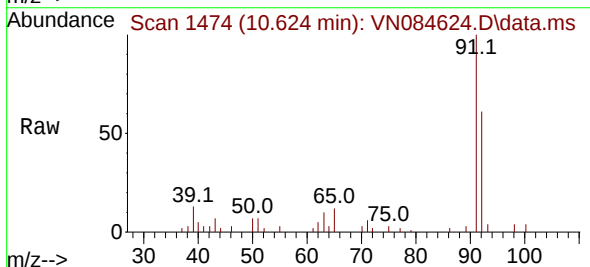
Acq: 31 Oct 2024 17:25

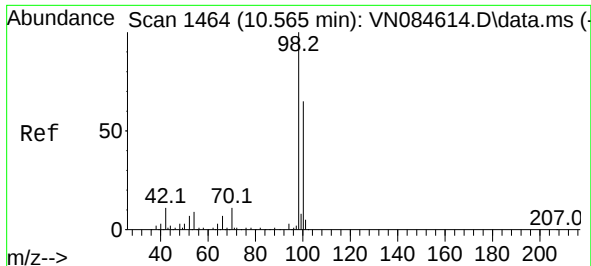
Tgt Ion: 91 Resp: 19845

Ion Ratio Lower Upper

91 100

92 61.4 47.5 71.3

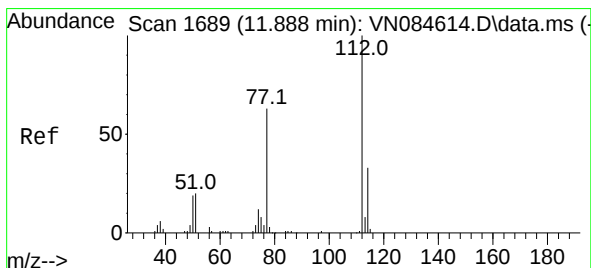
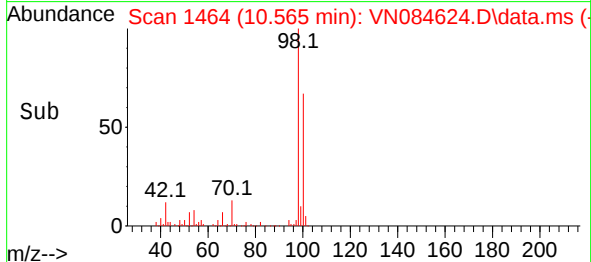
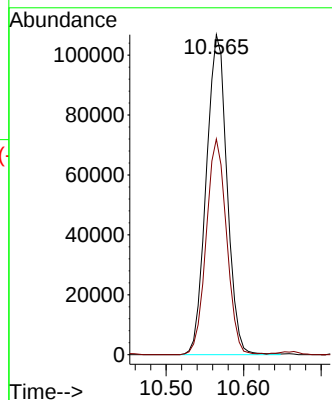
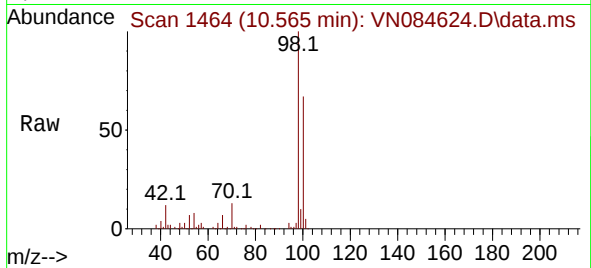




#63  
Toluene-d8  
Concen: 27.892 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

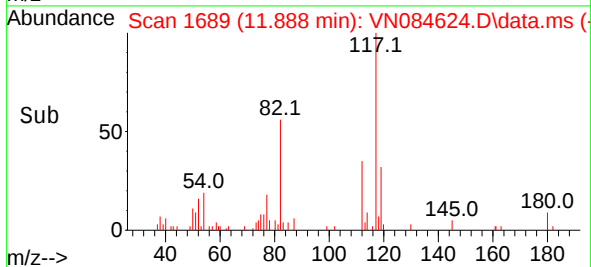
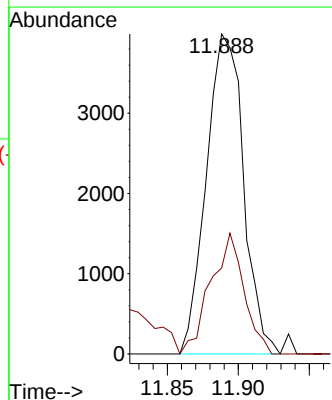
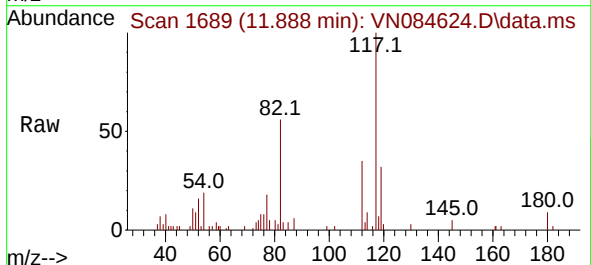
Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

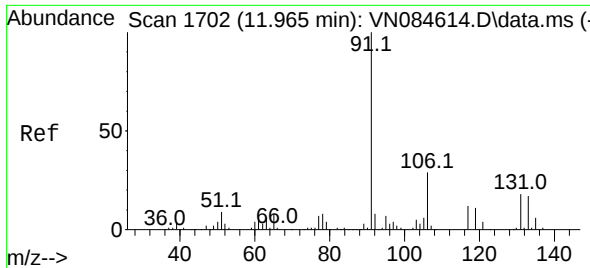
Tgt Ion: 98 Resp: 198530  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.2 78.2



#64  
Chlorobenzene  
Concen: 1.403 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion:112 Resp: 7252  
Ion Ratio Lower Upper  
112 100  
114 26.9 26.2 39.4

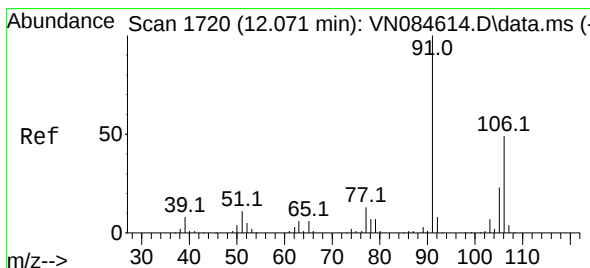
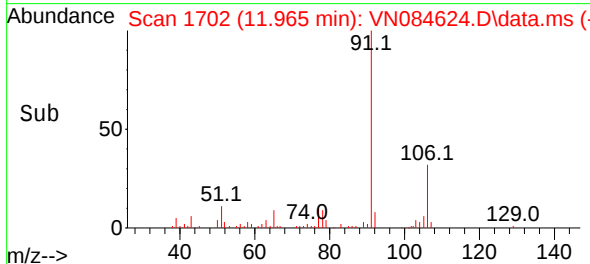
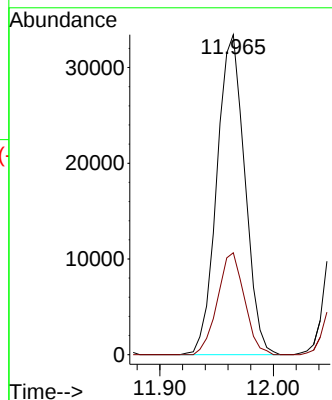
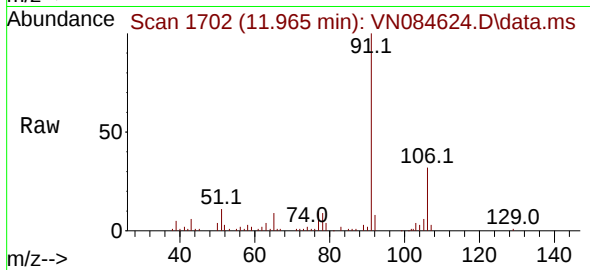




#66  
Ethyl Benzene  
Concen: 6.337 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

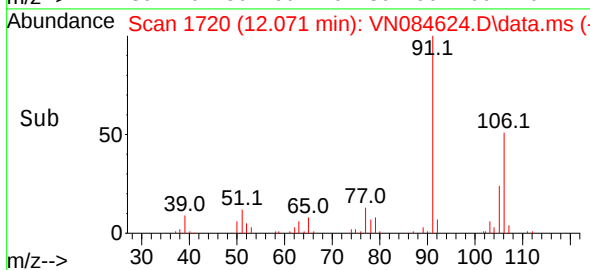
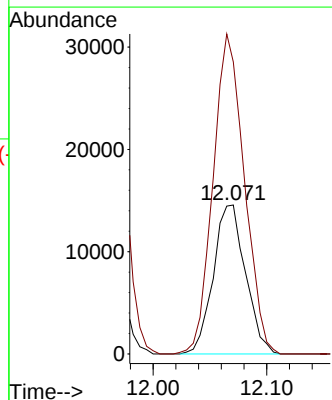
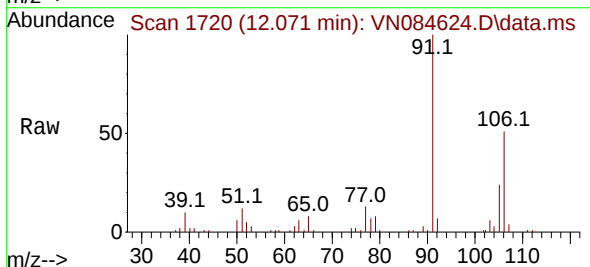
Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

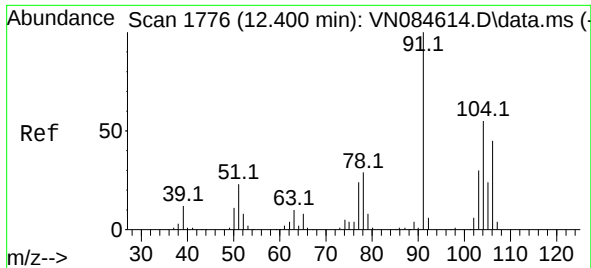
Tgt Ion: 91 Resp: 57034  
Ion Ratio Lower Upper  
91 100  
106 31.9 22.9 34.3



#67  
m/p-Xylenes  
Concen: 8.327 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion: 106 Resp: 28691  
Ion Ratio Lower Upper  
106 100  
91 208.9 168.1 252.1

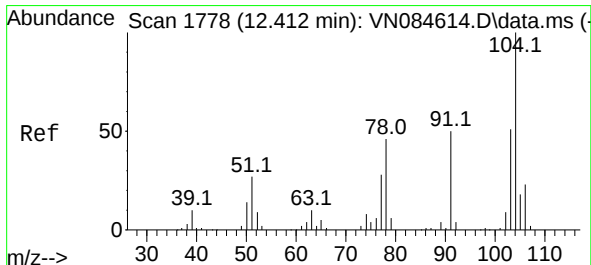
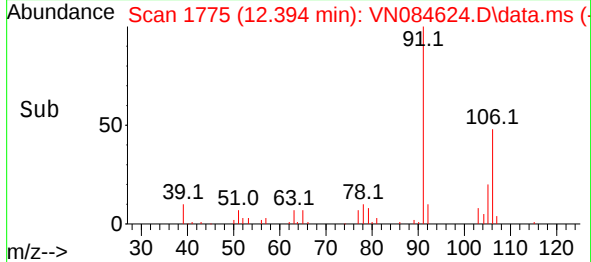
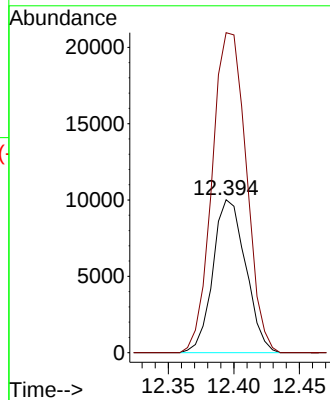
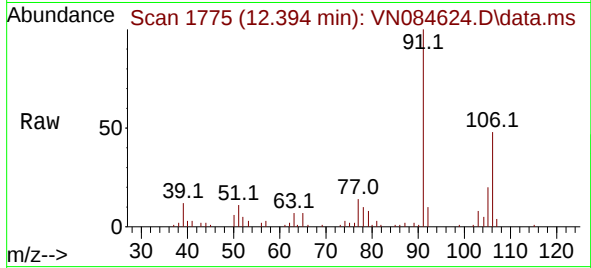




#68  
o-Xylene  
Concen: 5.239 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.006 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

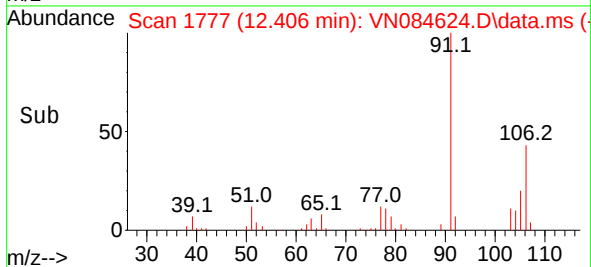
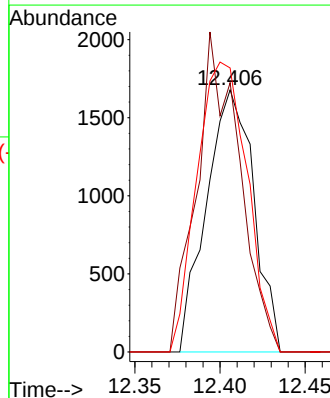
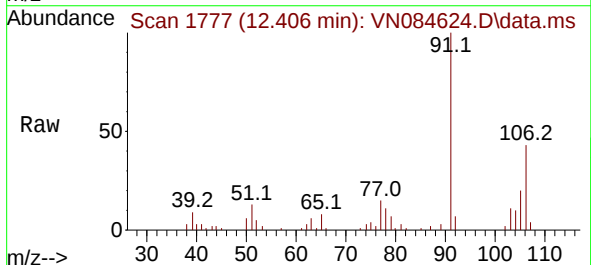
Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

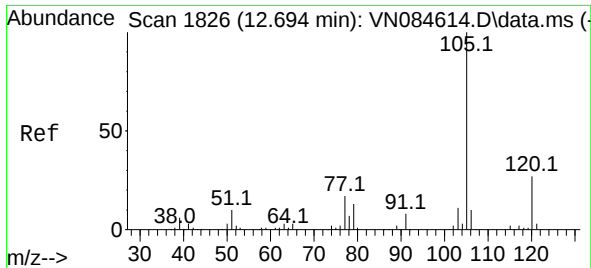
Tgt Ion:106 Resp: 17412  
Ion Ratio Lower Upper  
106 100  
91 218.4 107.7 322.9



#69  
Styrene  
Concen: 0.580 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion:104 Resp: 3235  
Ion Ratio Lower Upper  
104 100  
78 110.5 41.5 62.3#  
103 117.8 44.6 67.0#

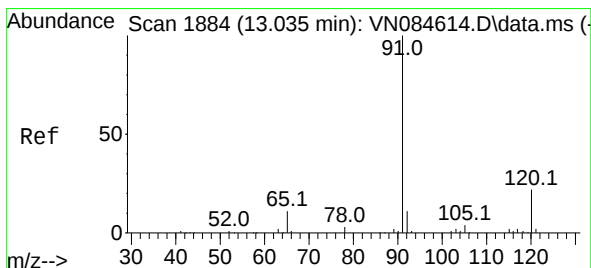
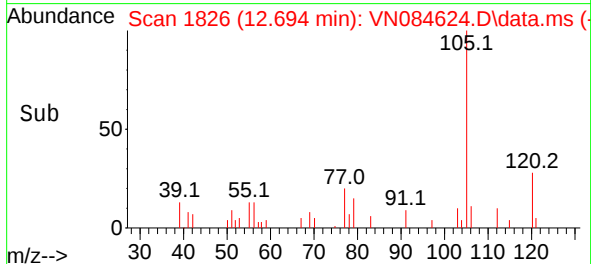
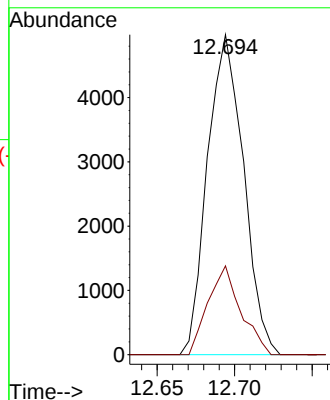
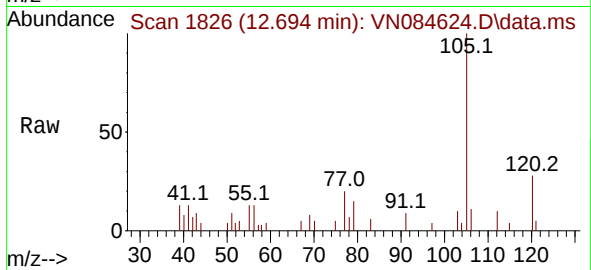




#70  
Isopropylbenzene  
Concen: 0.977 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

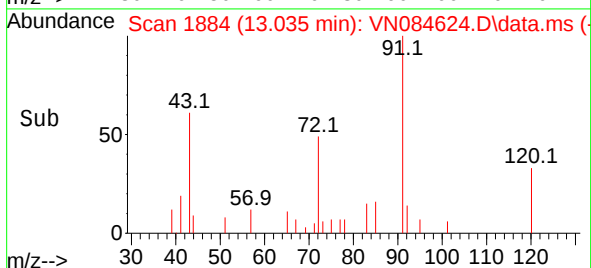
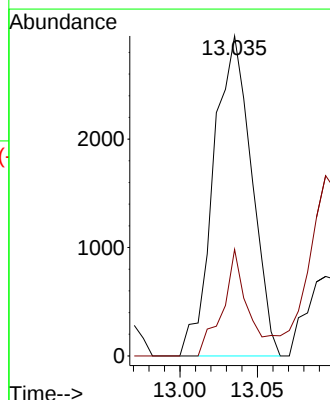
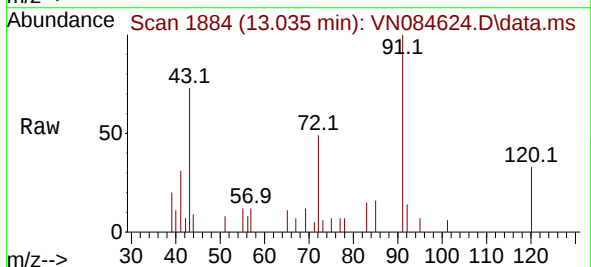
Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

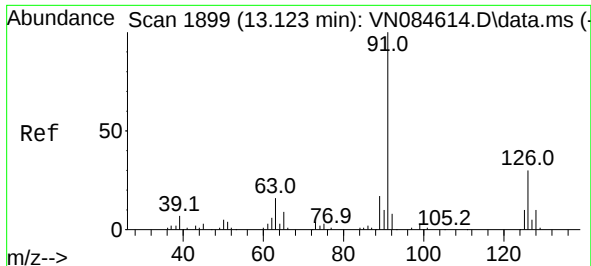
Tgt Ion:105 Resp: 8063  
Ion Ratio Lower Upper  
105 100  
120 25.1 18.7 34.7



#74  
n-propylbenzene  
Concen: 0.521 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion: 91 Resp: 5033  
Ion Ratio Lower Upper  
91 100  
120 21.1 0.0 44.0

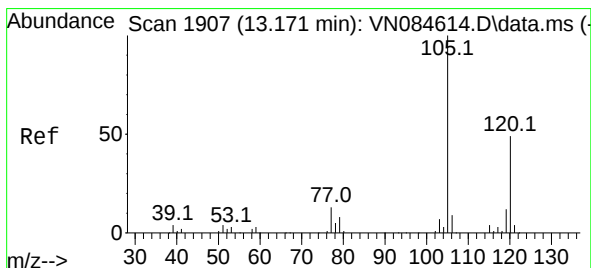
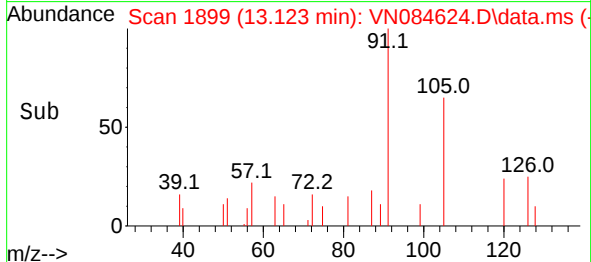
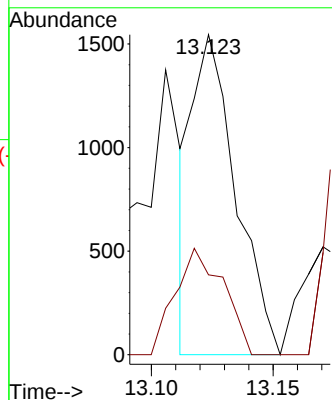
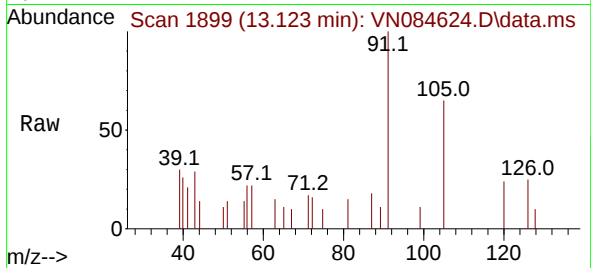




#75  
2-Chlorotoluene  
Concen: 0.307 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

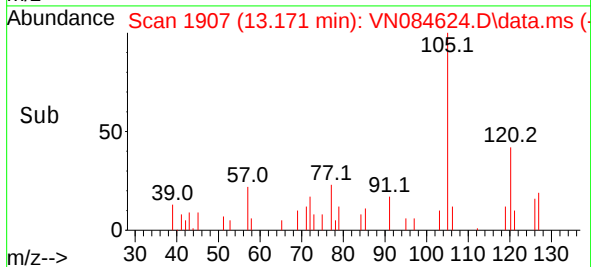
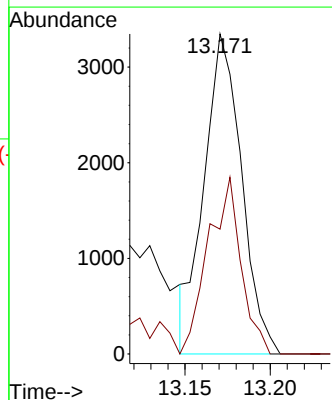
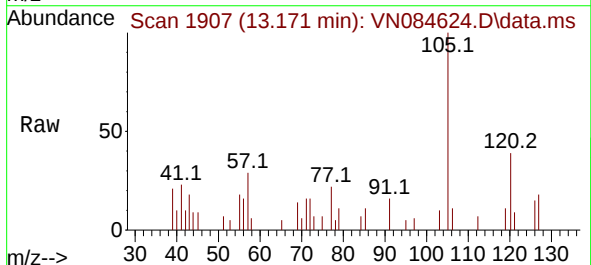
Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

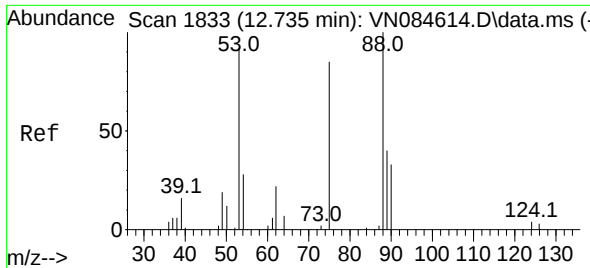
Tgt Ion: 91 Resp: 1928  
Ion Ratio Lower Upper  
91 100  
126 36.9 0.0 60.8



#76  
1,3,5-Trimethylbenzene  
Concen: 0.724 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion: 105 Resp: 5106  
Ion Ratio Lower Upper  
105 100  
120 48.6 0.0 96.8

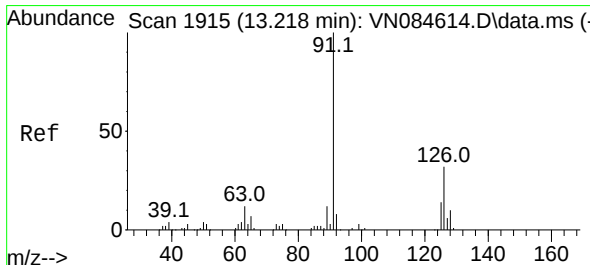
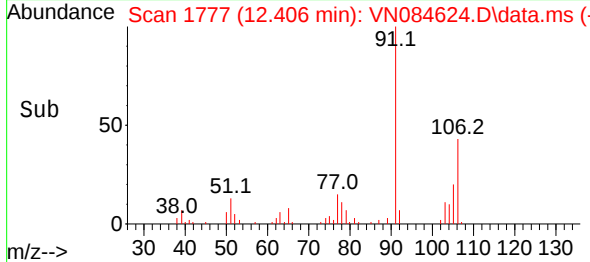
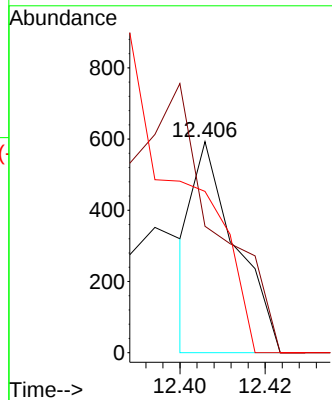
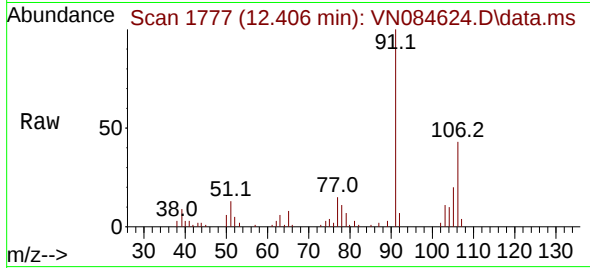




#77  
t-1,4-Dichloro-2-butene  
Concen: 0.430 ug/l  
RT: 12.406 min Scan# 11  
Delta R.T. -0.329 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

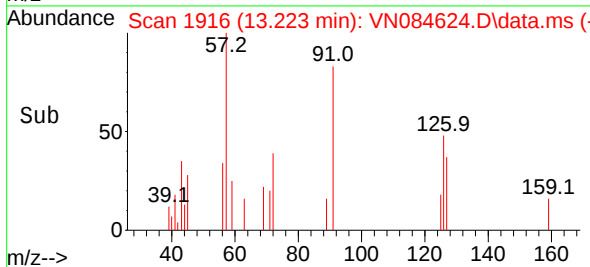
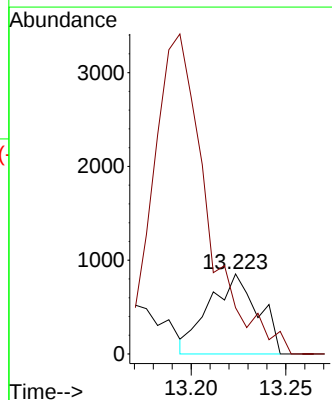
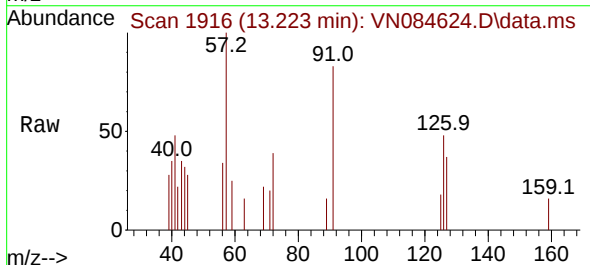
Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

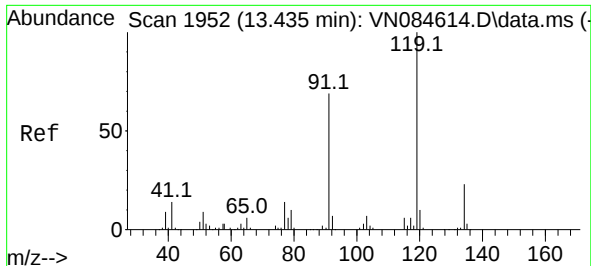
Tgt Ion: 75 Resp: 403  
Ion Ratio Lower Upper  
75 100  
53 59.9 52.4 157.2  
89 76.4 26.0 78.0



#78  
4-Chlorotoluene  
Concen: 0.239 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.006 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion: 91 Resp: 1520  
Ion Ratio Lower Upper  
91 100  
126 59.4 0.0 63.4





#79

tert-butylbenzene

Concen: 0.271 ug/l

RT: 13.676 min Scan# 1952

Delta R.T. 0.241 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

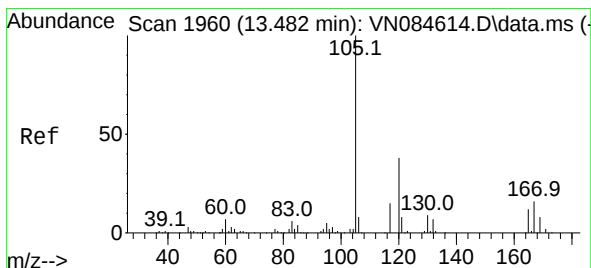
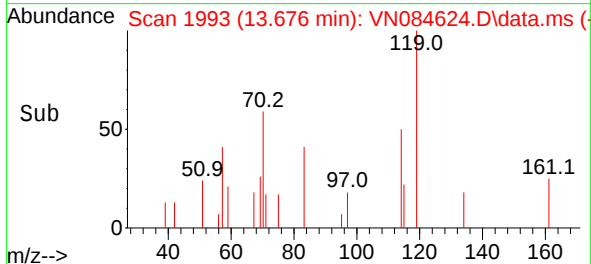
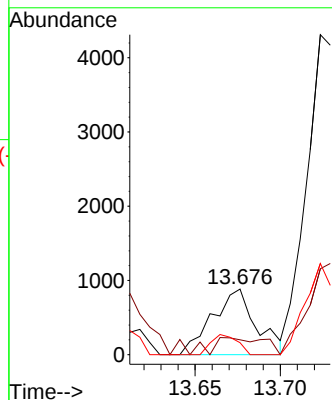
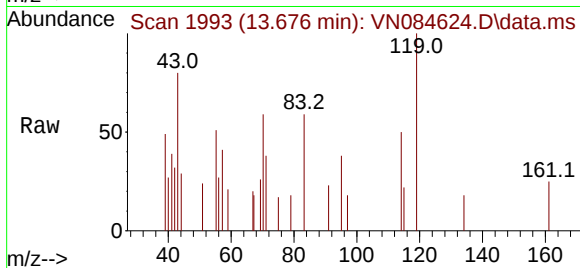
Instrument :

MSVOA\_N

ClientSampleId :

241030069-01-VOA

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:119 | Resp: | 1582      |
| Ion Ratio   | Lower | Upper     |
| 119         | 100   |           |
| 91          | 18.5  | 0.0 143.2 |
| 134         | 18.5  | 0.0 49.4  |



#80

1,2,4-Trimethylbenzene

Concen: 2.848 ug/l

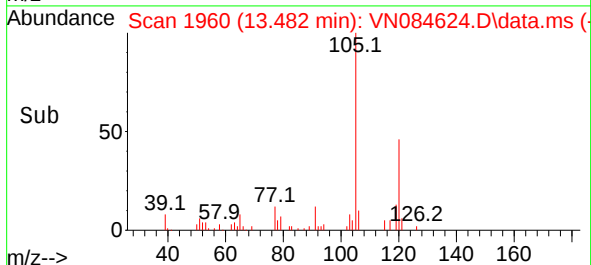
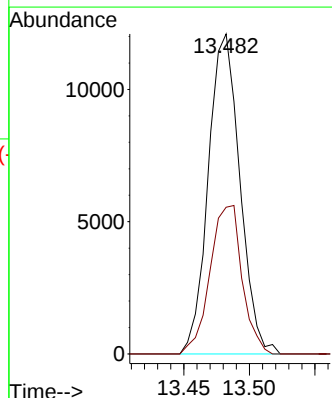
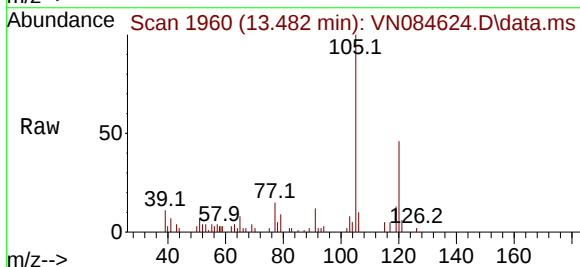
RT: 13.482 min Scan# 1960

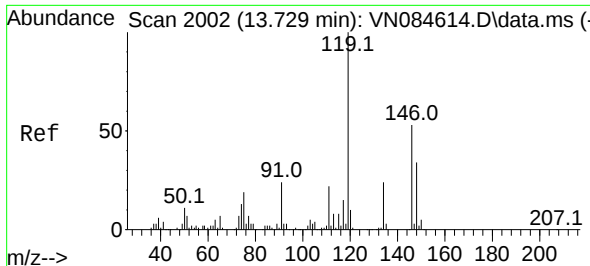
Delta R.T. 0.000 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:105 | Resp: | 20270    |
| Ion Ratio   | Lower | Upper    |
| 105         | 100   |          |
| 120         | 47.1  | 0.0 90.4 |

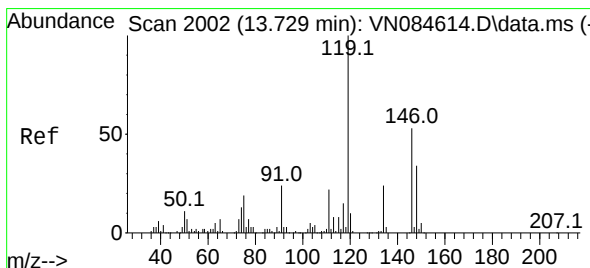
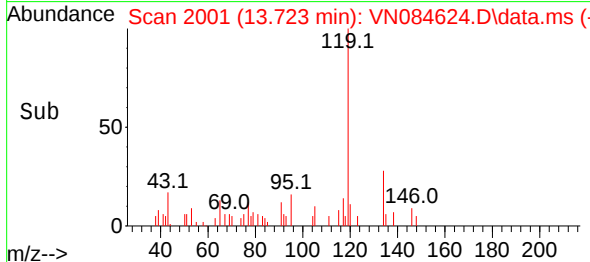
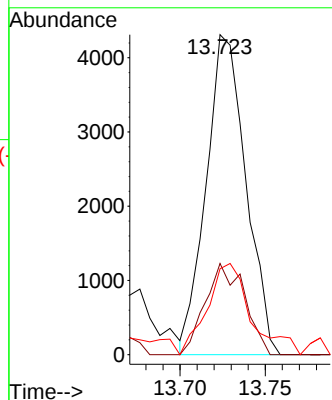
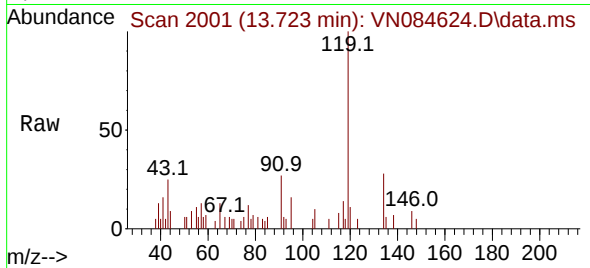




#82  
p-Isopropyltoluene  
Concen: 1.035 ug/l  
RT: 13.723 min Scan# 2001  
Delta R.T. -0.006 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

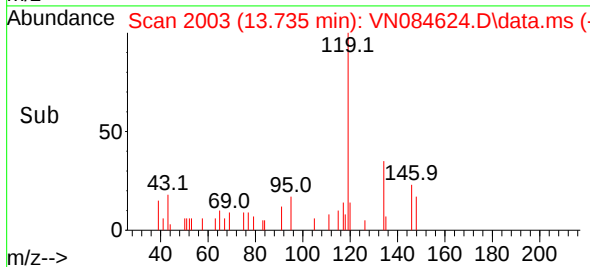
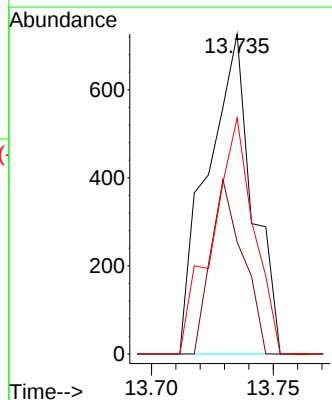
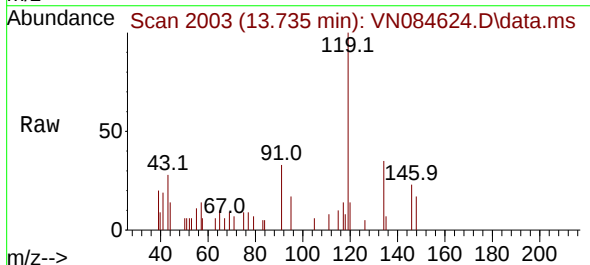
Instrument :  
MSVOA\_N  
ClientSampleId :  
241030069-01-VOA

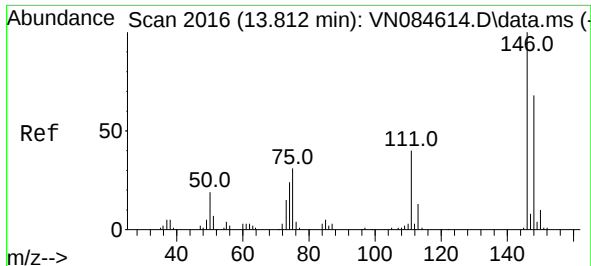
Tgt Ion:119 Resp: 6988  
Ion Ratio Lower Upper  
119 100  
134 28.3 0.0 51.4  
91 29.0 0.0 50.4



#83  
1,3-Dichlorobenzene  
Concen: 0.237 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.006 min  
Lab File: VN084624.D  
Acq: 31 Oct 2024 17:25

Tgt Ion:146 Resp: 933  
Ion Ratio Lower Upper  
146 100  
111 38.9 21.0 63.0  
148 68.0 31.3 93.8





#84

1,4-Dichlorobenzene

Concen: 3.444 ug/l

RT: 13.806 min Scan# 2016

Delta R.T. -0.006 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

Instrument :

MSVOA\_N

ClientSampleId :

241030069-01-VOA

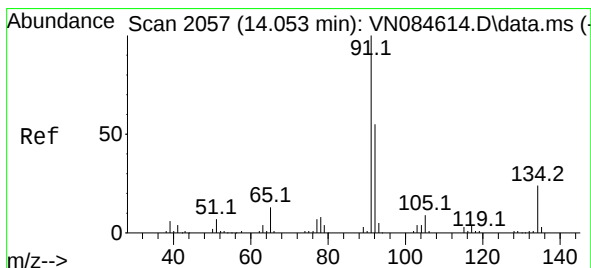
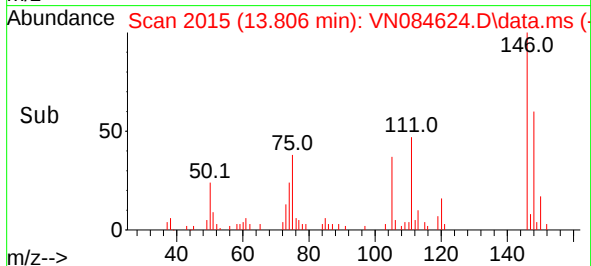
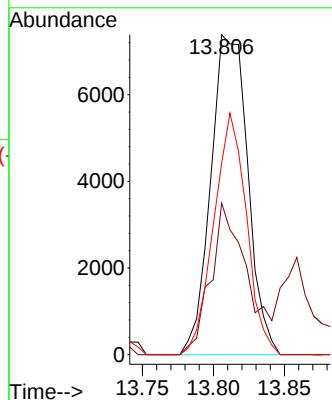
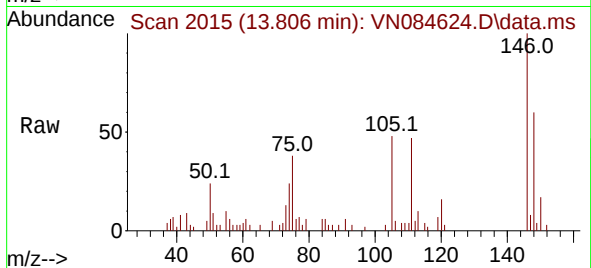
Tgt Ion:146 Resp: 13402

Ion Ratio Lower Upper

146 100

111 46.7 20.2 60.5

148 66.5 32.6 98.0



#85

n-Butylbenzene

Concen: 0.257 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

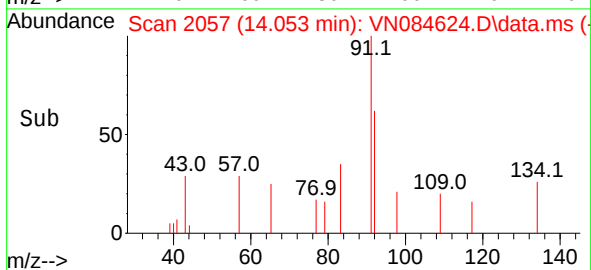
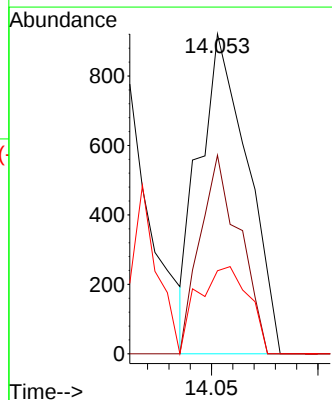
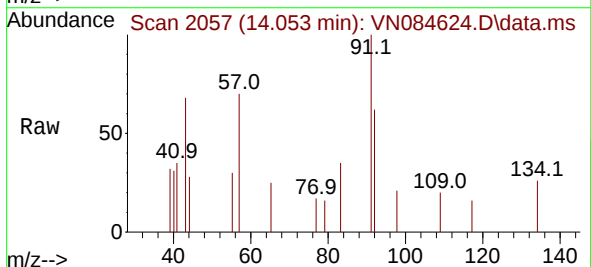
Tgt Ion: 91 Resp: 1456

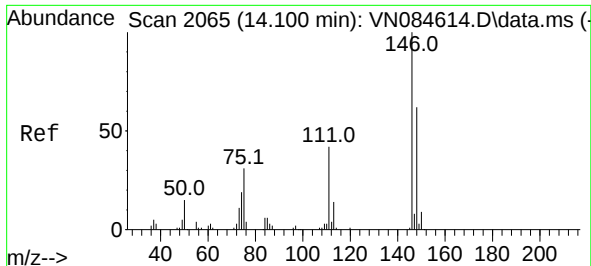
Ion Ratio Lower Upper

91 100

92 51.0 0.0 106.2

134 28.5 0.0 48.2





#87

1,2-Dichlorobenzene

Concen: 0.418 ug/l

RT: 14.106 min Scan# 2065

Delta R.T. 0.006 min

Lab File: VN084624.D

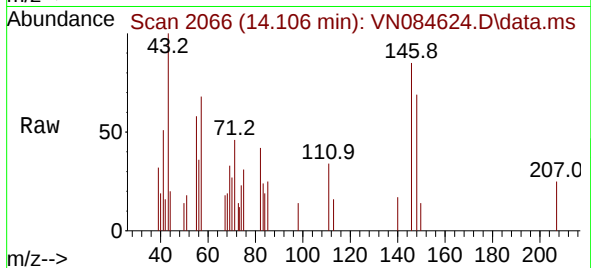
Acq: 31 Oct 2024 17:25

Instrument :

MSVOA\_N

ClientSampleId :

241030069-01-VOA



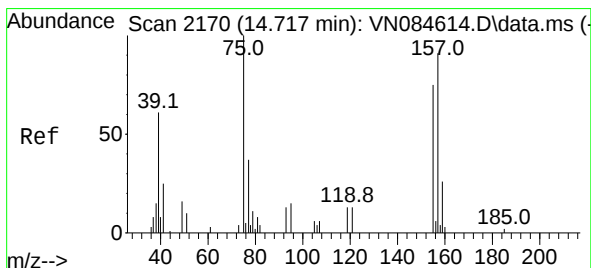
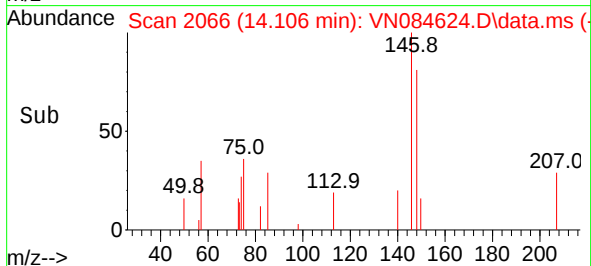
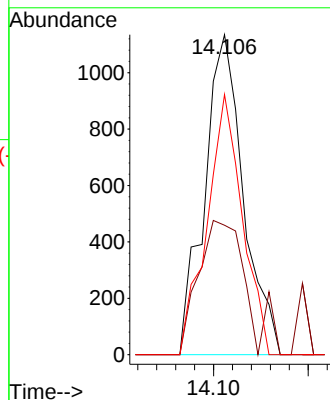
Tgt Ion:146 Resp: 1621

Ion Ratio Lower Upper

146 100

111 46.8 22.4 67.0

148 73.8 32.6 98.0



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.895 ug/l

RT: 14.706 min Scan# 2168

Delta R.T. -0.012 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

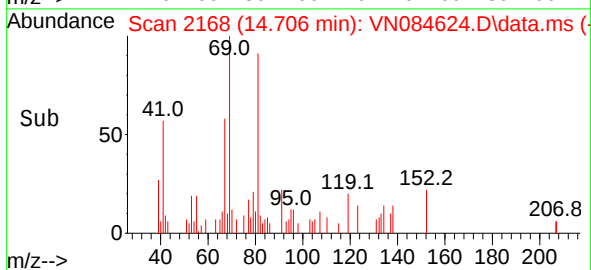
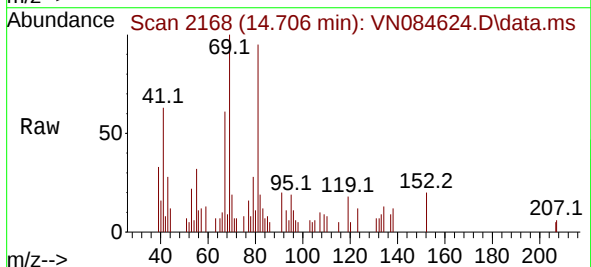
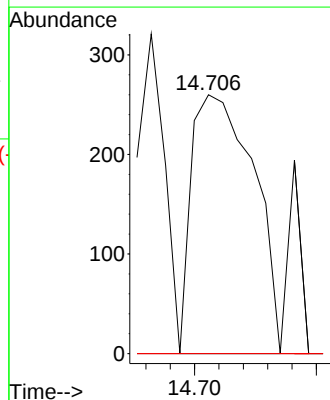
Tgt Ion: 75 Resp: 462

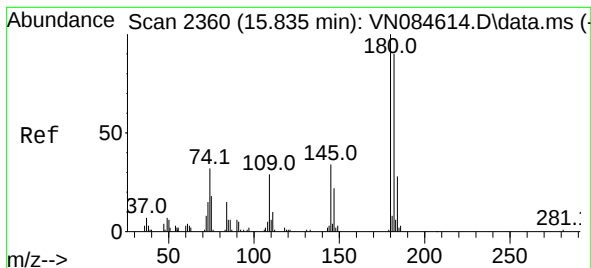
Ion Ratio Lower Upper

75 100

155 0.0 61.8 92.6#

157 0.0 74.7 112.1#





#89

1,2,4-Trichlorobenzene

Concen: 0.218 ug/l

RT: 15.841 min Scan# 2360

Delta R.T. 0.006 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

Instrument :

MSVOA\_N

ClientSampleId :

241030069-01-VOA

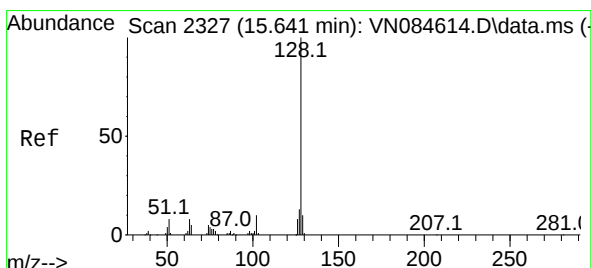
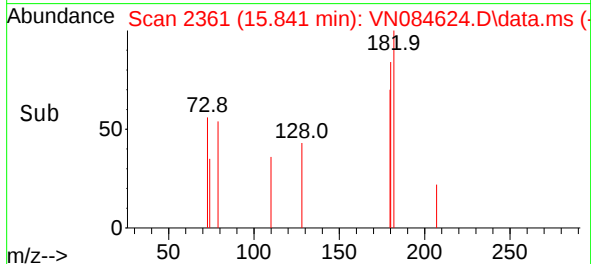
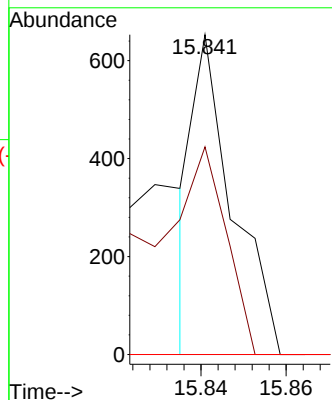
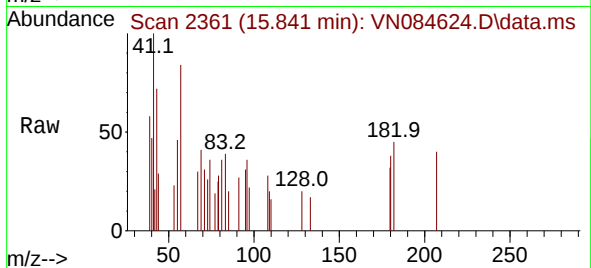
Tgt Ion:180 Resp: 412

Ion Ratio Lower Upper

180 100

182 78.9 73.0 109.6

145 0.0 26.5 39.7#



#91

Naphthalene

Concen: 33.999 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN084624.D

Acq: 31 Oct 2024 17:25

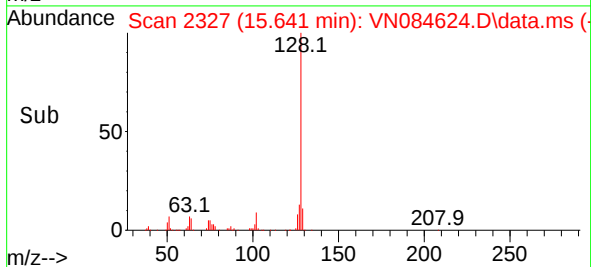
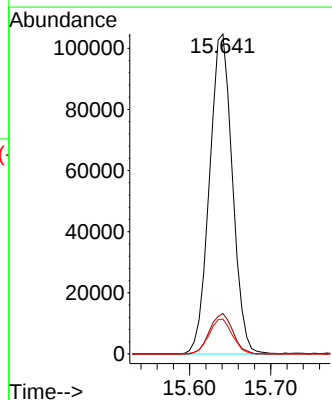
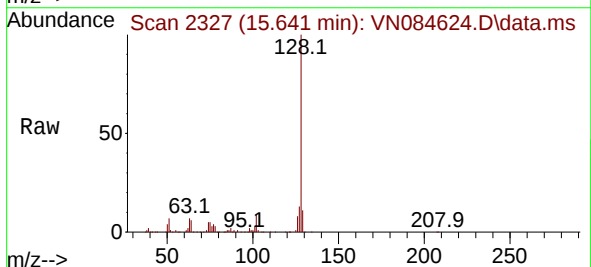
Tgt Ion:128 Resp: 205176

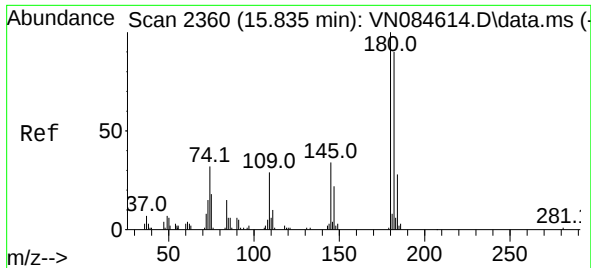
Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

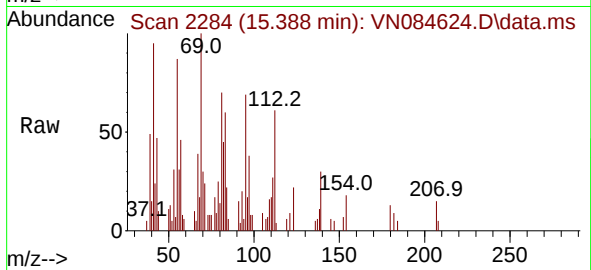
129 11.1 8.6 12.8





#92  
 1,2,3-Trichlorobenzene  
 Concen: 0.288 ug/l  
 RT: 15.388 min Scan# 21  
 Delta R.T. -0.447 min  
 Lab File: VN084624.D  
 Acq: 31 Oct 2024 17:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 241030069-01-VOA



Tgt Ion:180 Resp: 544  
 Ion Ratio Lower Upper  
 180 100  
 182 148.5 0.0 182.6  
 145 26.7 0.0 66.2

